

RELEASES AND RECOVERIES OF MARKED PINK SHRIMP,

Penaeus duorarum BURKENROAD, IN SOUTH

FLORIDA WATERS, 1958-1964^{1/}

by

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INTRODUCTION

Pink shrimp, Penaeus duorarum Burkenroad, support valuable commercial fisheries on the Tortugas and Sanibel grounds off the southwest coast of Florida. Between 1958 and 1964, Bureau of Commercial Fisheries personnel marked a total of 149,707 shrimp with biological stains and released them in south Florida waters. Recovery of 2,582 of these shrimp provided useful information on the geographic distribution, migration routes, growth, and mortality rates of the Tortugas and Sanibel pink shrimp populations.

Contribution No. 210, Bureau of Commercial
Fishes Biological Laboratory, Galveston, Tex.

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Data obtained from these experiments have been the basis of prior reports (Costello, 1958, 1959, and 1963; Costello and Allen, 1959, 1960a, 1960b, 1961, 1964; Costello and Allen, in press,^{2/} and unpublished manuscript^{3/}; Kutkuhn, 1965 and in press^{4/}). This compilation of basic data is being made available to provide a permanent detailed record of individual shrimp recoveries which may be useful in relating these observations to future investigations.

2/ Costello, Thomas J., and Donald M. Allen.

"Migrations and geographic distribution of pink shrimp, Penaeus duorarum, of the Tortugas and Sanibel grounds, Florida," 23 MS. p., Bureau of Commercial Fisheries Biological Laboratory, Galveston, Tex.

3/ Costello, Thomas J., and Donald M. Allen.

"Mortality rates in pink shrimp, Penaeus duorarum, populations of the Sanibel and Tortugas grounds, Florida," 30 MS. p., Bureau of Commercial Fisheries Biological Laboratory, Galveston, Tex.

4/ Kutkuhn, Joseph H. "Dynamics of a penaeid shrimp population and management implications," 82 MS. p., Bureau of Commercial Fisheries Biological Laboratory, Galveston, Tex.

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Mark-recovery experiments on pink shrimp have also been carried out in south Florida waters using mechanical tags. Results of these experiments are contained in reports by Iversen and Idyll (1960), Iverson and Jones (1961), Iversen (1962), and Tabb, Dubrow, and Jones (1962).

PROCEDURE

The method used to capture, mark, release, and recover shrimp was described in detail by Costello (1964). In the shallows, and estuaries, juvenile shrimp for marking were captured by bait shrimp fishermen, using roller frame trawls and wing nets. Offshore, shrimp were captured in otter trawls towed by Bureau of Commercial Fisheries research vessels. These shrimp were marked with either the biological stains fast green FCF, Trypan blue, or Trypan red. In all experiments except one, stains were injected into the shrimp. In the one exception, shrimp released at site number 8 in Biscayne Bay (table 1 and fig. 1)

Figure 1.--Release sites of marked pink shrimp in south Florida waters, 1958-1962. Sites 1, 8, and 11, Biscayne Bay; 2, Flamingo; 3, Peterson Keys; 4, Lower Matecumbe Key; 5, Barnes Sound; 6, Shark River; 7, Hawk Channel; 9, Bottie Key; 10, Pine Island Sound; 12 and 15, Tortugas grounds; 13, Sanibel grounds; and 14, Indian Key.

were marked by feeding with chopped liver that had been soaked in Trypan red.

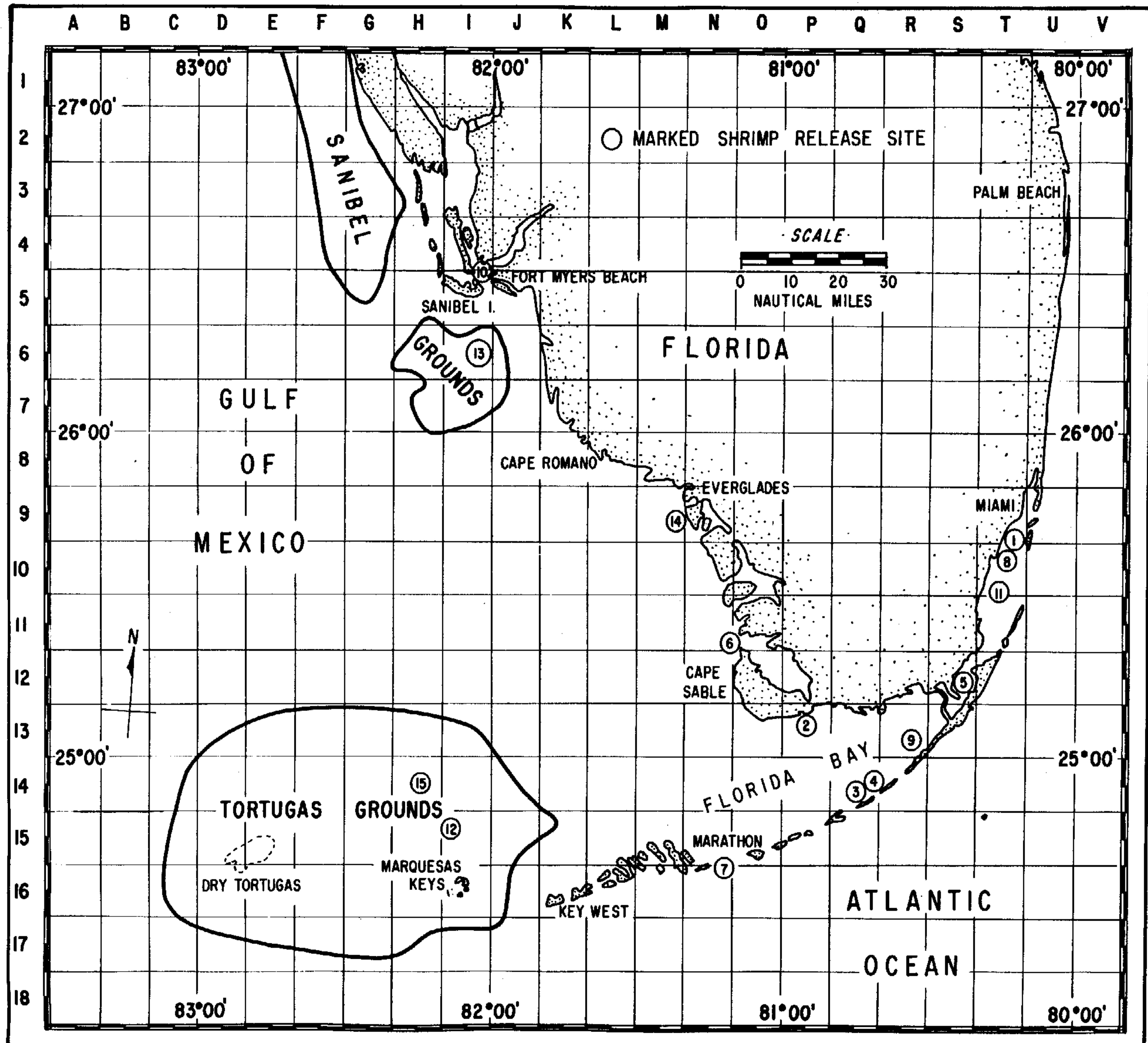
Table 1.--Summary of releases of marked shrimp in south Florida waters, 1958-1964

| Site number | Site | Dates | | Stain | Number shrimp released | Mean size carapace length | | | Size range carapace length | | Sex ratio ¹ M:F |
|-------------|---------------------|-------------|-------|----------------------------|------------------------|---------------------------|---------|------|----------------------------|-------|-------------------------------|
| | | Range | Mean | | | Males | Females | MSY | MLF | | |
| 1958 | | | | | | | | | | | |
| 1 | Biscayne Bay | 4/24-5/29 | 5/11 | Fg ² | 19,358 | - | - | 19.1 | 11.6 - 29.8 | - | |
| 2 | Flamingo | 10/24-31 | 10/28 | Tb ³ | 7,264 | - | - | 16.7 | 13.2 - 21.6 | - | |
| 1959 | | | | | | | | | | | |
| 3 | Peterson Keys | 1/29 | 1/29 | Fg ⁴ | 1,729 | - | - | 19.7 | 15.4 - 26.7 | - | |
| 4 | Lower Matecumbe Key | 3/6 | 3/6 | Tb, Tr ⁴ mix | 1,672 | - | - | 20.5 | 17.3 - 26.4 | - | |
| 5 | Barnes Sound | 7/7-16 | 7/12 | Tb | 7,084 | 18.3 | 20.0 | - | 15.6 - 25.2 | 32:68 | |
| 6 | Shark River | 11/2-6 | 11/4 | Fg | 16,638 | 16.2 | 16.6 | - | 12.8 - 20.8 | 45:55 | |
| 1960 | | | | | | | | | | | |
| 7 | Hawk Channel | 2/4 | 2/4 | Tb | 6,815 | - | - | - | 16.5 - 29.5 | - | |
| 8 | Biscayne Bay | 8/9 | 8/9 | Tr | 11,000 | 11.7 | 12.5 | - | 9.4 - 14.4 | 63:37 | |
| 9 | Bottle Key | 11/1-4 | 11/2 | Fg | 13,306 | 15.5 | 16.6 | - | 12.3 - 22.1 | - | |
| 10 | Pine Island Sound | 11/29-12/15 | 12/7 | Tb | 32,913 | 16.6 | 16.9 | - | 12.6 - 22.4 | - | |
| 1961 | | | | | | | | | | | |
| 11 | Biscayne Bay | 4/18 | 4/18 | Tr | | 13.4 | 13.7 | - | 12.7 - 14.8 | 46:54 | |
| | | | | Fg | 2,775 | 14.8 | 14.9 | - | 14.0 - 16.5 | 51:49 | |
| | | | | Tb | | 15.9 | 16.2 | - | 14.6 - 17.8 | 65:35 | |
| 12 | Tortugas Grounds | 9/20-23 | 9/21 | Tb | 2,091 | 19.2 | 19.5 | - | 17.9 - 20.2 | 60:40 | |
| 1962 | | | | | | | | | | | |
| 13 | Sanibel Grounds | 3/21-22 | 3/22 | Fg | 2,496 | 26.0 | 32.8 | - | 18.8 - 53.1 | 51:49 | |
| 14 | Indian Key | 8/27-9/5 | 8/31 | Tb | 19,860 | 17.2 | 18.6 | - | 10.2 - 24.7 | 48:52 | |
| 15 | Tortugas Grounds | 12/11-15 | 12/13 | Fg | 2,350 | 27.0 | 28.3 | - | 25.1 - 32.9 | 62:38 | |
| 1964 | | | | | | | | | | | |
| 16 | Tortugas Grounds | 2/23 | 2/23 | Tb | 964 | 27.3 | 28.9 | - | 26.9 - 30.7 | 6:94 | |
| 17 | Tortugas Grounds | 2/24 | 2/24 | Fg | 1,392 | 26.5 | 29.9 | - | 24.0 - 44.2 | 11:89 | |
| Total | | | | | 149,707 | | | | | | |

¹ Derived from stained shrimp sampled just prior to release. ² Fast green PCP ³ Trypan blue ⁴ Trypan red

Figure 1.--Release sites of marked pink shrimp in south Florida waters,
1958-1962. Sites 1, 8 and 11, Biscayne Bay; 2, Flamingo; 3, Peterson
Keys; 4, Lower Matecumbe Key; 5, Barnes Sound; 6, Shark River; 7, Hawk
Channel; 9, Bottle Key; 10, Pine Island Sound; 12 and 15, Tortugas
Grounds; 13, Sanibel Grounds; and 14, Indian Key.

"Releases and recoveries of marked pink shrimp, Penaeus duorarum Burkenroad,
in south Florida waters, 1958-1964" by Donald M. Allen and T. J. Costello



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Marked shrimp were released near the area in which they were first captured. In the shallows, when no predaceous fish were observed, shrimp were released at the surface. Except at site number 7, offshore releases were made on the bottom from a messenger-activated release chamber. The purpose of the chamber was to avoid excessive predation which may occur when releases are made at the surface in deep water.

Practically all recaptures were taken by commercial shrimp boats. Although the majority of recaptured marked shrimp were noticed in the catch by fishermen while at sea, a few recoveries were made by packing plant employees processing shrimp for shipment. Less than 1 percent of the marked shrimp released in estuaries or near shore was recovered; whereas, 23 percent of those released on the offshore shrimping grounds was recovered. This variation appears related to the greater amount of fishing effort in the offshore areas, as compared to that in the estuaries.

Fishermen generally used bearings from buoys or local landmarks in conjunction with depths when reporting the recovery sites of marked shrimp. To facilitate reference to the position of shrimp recaptures in the south Florida area from 1958 to 1963, recapture positions were transposed to a chart marked in grid squares encompassing 100 square miles (fig. 1, and appendix table 1). In 1963, however, a

new grid system was initiated by the Bureau, in which the squares encompassed 25 square miles. Recaptures of marked shrimp in 1964 (sites numbers 16 and 17) were recorded using the latter system (fig. 2, and appendix table 2).

Figure 2.--Release sites of marked pink shrimp on the Tortugas grounds, Fla., 1964. The diamond 'C' shows position of the sea buoy.

Since many preserved shrimp were not in suitable condition to obtain an accurate total length, sizes of released and recovered shrimp were recorded in carapace length. This measurement was taken from the orbital notch to the caudal margin of the cephalothorax in a line parallel to the lateral rostral sulcus.

Beginning in 1960, samples of released shrimp and all subsequent recoveries were examined closely to detect species other than P. duorarum. A few shrimp (less than 4 percent) released in Hawk Channel (Feb. 4, 1960, site number 7) were P. brasiliensis; the remainder were P. duorarum. Only P. duorarum, however, were noted among the recoveries of this experiment and among the releases and recoveries of subsequent experiments.

ACKNOWLEDGMENT

Mrs. Nell Benson assisted in compiling the extensive shrimp release-recovery information reported herein.

Figure 2.--Release sites of marked pink shrimp on the Tortugas Grounds,
Florida, 1964.

"Releases and recoveries of marked pink shrimp, Penaeus duorarum, in
south Florida waters, 1958-1964" by Donald M. Allen and T. J. Costello

83°00'

30'

82°00'

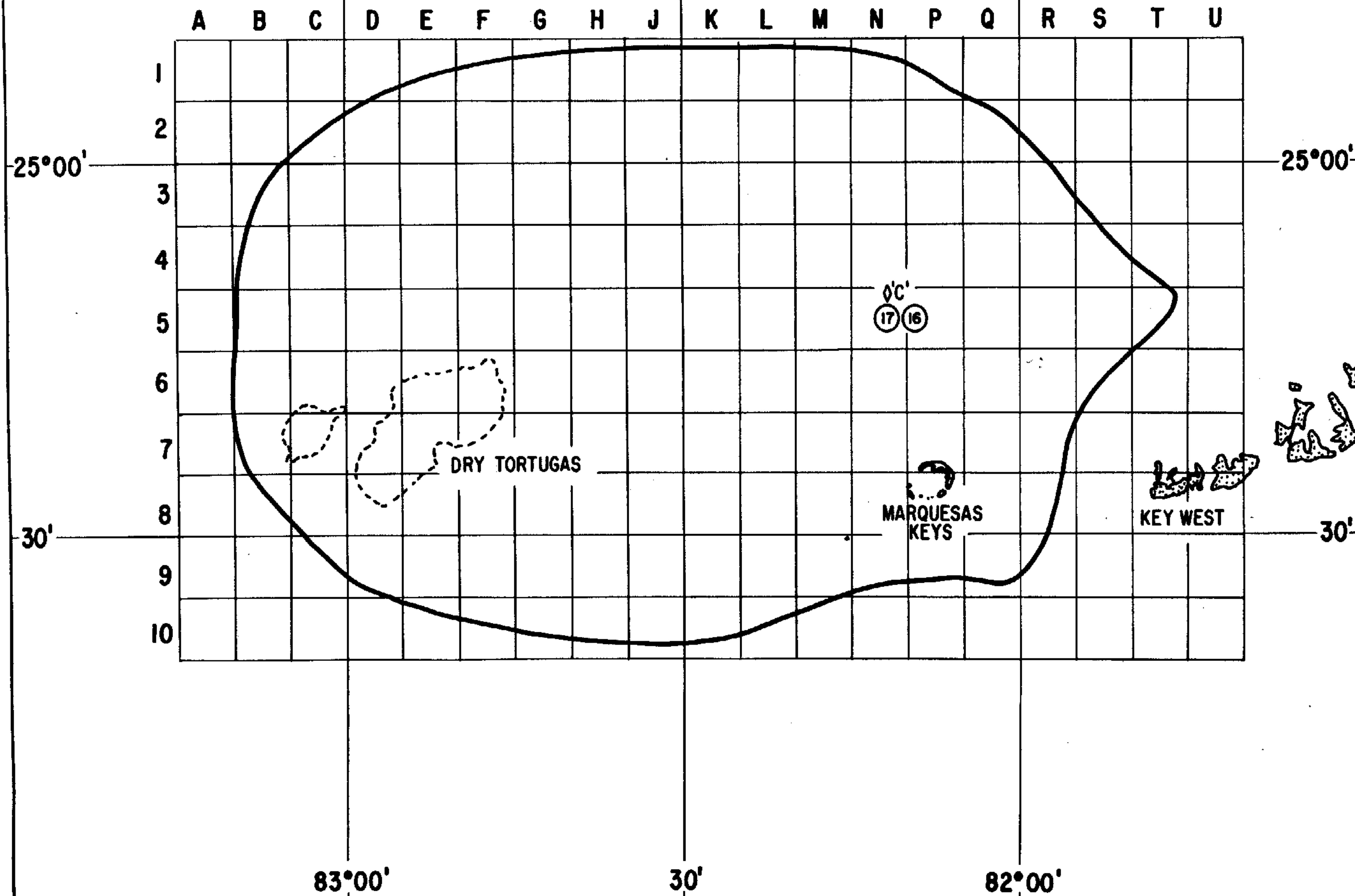
- MARKED SHRIMP RELEASE SITE
S BOUNDARY OF TORTUGAS GROUNDS

N

SCALE



0 5 10 15 20 25 30
NAUTICAL MILES



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EXPLANATION OF
HEADINGS, ABBREVIATIONS, AND SYMBOLS USED IN APPENDIXES

Area - locations, designated as follows:

BB - Biscayne Bay

BS - Barnes Sound

FB - Florida Bay

IK - Indian Key

NSG - Northwest Sanibel Grounds

SSG - South Sanibel Grounds

TG - Tortugas Grounds

B - boat personnel

depth - recorded to nearest fathom

est. - estimate - used when cephalothorax damaged or missing

F - female

grid - refers to divisions of figures 1 and 2 for appendixes 1 and 2
respectively

M - male

P - plant personnel

site - place of recovery

- - information not available

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Appendix Table 1.--Recovery information for marked pink shrimp released in south Florida waters from 1958 to 1962

Release site : No. 1 - Biscayne Bay
 Date of release : Apr. 24 - May 29, 1958
 Number released : 19,358
 Number recovered: 57

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|----|-------------------------|---------|-----|--------------------|-----------------|
| 1958 | | | | | | |
| May | 1 | BB | T9, T10 | 1-2 | F | 21.4 |
| | 3 | BB | T9, T10 | 1-2 | F | 21.6 |
| | 9 | BB | T9, T10 | 1-2 | M | 16.1 |
| | 10 | BB | T9, T10 | 1-2 | M | 22.5 |
| | 19 | BB | T9, T10 | 1-2 | M | 26.4 |
| | 22 | BB | T9, T10 | 1-2 | F | 23.9 |
| | 22 | BB | T9, T10 | 1-2 | M | 22.3 |
| | 22 | BB | T9, T10 | 1-2 | M | 18.9 |
| | 23 | BB | T9, T10 | 1-2 | F | 17.5 |
| | 23 | BB | T9, T10 | 1-2 | F | 26.4 |
| | 23 | BB | T9, T10 | 1-2 | F | 23.8 |
| | 23 | BB | T9, T10 | 1-2 | M | 22.0 |
| | 24 | BB | T9, T10 | 1-2 | F | 28.0 |
| | 24 | BB | T9, T10 | 1-2 | M | 20.4 |
| | 24 | BB | T9, T10 | 1-2 | M | 23.0 |
| | 24 | BB | T9, T10 | 1-2 | M | 21.1 |
| | 24 | BB | T9, T10 | 1-2 | F | 20.8 |
| | 25 | BB | T9, T10 | 1-2 | M | 17.1 |
| | 26 | BB | T9, T10 | 1-2 | M | 18.1 |
| | 26 | BB | T9, T10 | 1-2 | M | 17.2 |
| | 27 | BB | T9, T10 | 1-2 | F | 21.3 |
| | 27 | BB | T9, T10 | 1-2 | F | 23.4 |
| | 27 | BB | T9, T10 | 1-2 | F | 22.2 |
| | 27 | BB | T9, T10 | 1-2 | M | 21.7 |
| | 27 | BB | T9, T10 | 1-2 | M | 20.5 |
| | 27 | BB | T9, T10 | 1-2 | M | 21.3 |
| June | 1 | BB | T9, T10 | 1-2 | M | 16.4 |
| | 1 | BB | T9, T10 | 1-2 | M | 17.3 |
| | 6 | BB | T9, T10 | 1-2 | M | 17.3 |
| | 6 | BB | T9, T10 | 1-2 | F | 18.4 |
| | 6 | BB | T9, T10 | 1-2 | M | 18.2 |
| | 6 | BB | T9, T10 | 1-2 | F | 16.1 |
| | 6 | BB | T9, T10 | 1-2 | M | 15.9 |
| | 9 | BB | T9, T10 | 1-2 | F | 18.8 |
| | 10 | BB | T9, T10 | 1-2 | M | 17.6 |
| | 10 | BB | T9, T10 | 1-2 | M | 16.5 |

Appendix Table 1.--Continued

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Release site: No. 1 - Biscayne Bay--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|---------|-----|--------------------|-----------------|
| 1958 | | | | | |
| June 11 | BB | T9, T10 | 1-2 | F | 22.4 |
| 12 | BB | T9, T10 | 1-2 | M | 21.6 |
| 12 | BB | T9, T10 | 1-2 | F | 23.0 |
| 14 | BB | T9, T10 | 1-2 | F | 29.4 |
| 14 | BB | T9, T10 | 1-2 | F | 30.5 |
| 14 | BB | T9, T10 | 1-2 | F | 30.5 |
| 14 | BB | T9, T10 | 1-2 | F | 24.9 |
| 14 | BB | T9, T10 | 1-2 | M | 21.3 |
| 14 | BB | T9, T10 | 1-2 | M | 20.1 |
| 15 | BB | T9, T10 | 1-2 | M | 20.9 |
| 15 | BB | T9, T10 | 1-2 | M | 19.7 |
| 16 | BB | T9, T10 | 1-2 | F | 23.5 |
| 16 | BB | T9, T10 | 1-2 | F | 19.0 |
| 17 | BB | T9, T10 | 1-2 | F | 21.1 |
| 17 | BB | T9, T10 | 1-2 | F | 23.7 |
| 21 | BB | T9, T10 | 1-2 | F | 21.9 |
| 29 | BB | T9, T10 | 1-2 | - | - |
| 29 | BB | T9, T10 | 1-2 | - | - |
| 29 | BB | T9, T10 | 1-2 | - | - |
| 29 | BB | T9, T10 | 1-2 | - | - |
| July 5 | BB | T9, T10 | 1-2 | - | B |

Release site : No. 2 - Flamingo
 Date of release : Oct. 24-31, 1958
 Number released : 7,264
 Number recovered: 4

| 1959 | | | | | | |
|---------|----|-----|----|---|------|---|
| Jan. 20 | TG | H15 | 15 | M | 25.1 | - |
| 28 | TG | J14 | 13 | F | 26.0 | - |
| Feb. 5 | TG | H14 | 17 | F | 33.0 | - |
| 26 | TG | F15 | 17 | M | 29.1 | - |

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Appendix Table 1.--Continued

Release site : No. 3 - Peterson Keys
 Date of release : Jan. 29, 1959
 Number released : 1,729
 Number recovered: 11

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by | |
|-------------|----|-------------------------|-------|-----|--------------------|-----------------|---|
| <u>1959</u> | | | | | | | |
| Mar. | | | | | | | |
| 16 | TG | K15 | - | F | 23.0 | - | |
| 22 | TG | I15 | 13 | F | 23.2 | - | |
| 22 | TG | I14 | 13 | M | 21.5 | - | |
| 24 | TG | I14 | 13 | M | 24.3 | - | |
| 26 | TG | J14 | 12 | F | 24.2 | - | |
| Apr. | 7 | TG | J14 | 13 | F | 22.5 | - |
| 12-13 | TG | G15 | 15 | F | 21.0 | - | |
| 22 | TG | G15 | 15 | F | 28.0 | - | |
| 28 | TG | G15 | 14 | M | 23.1 | - | |
| May | 1 | TG | G15 | 16 | M | 24.5 | - |
| | 2 | TG | J14 | 10 | F | 30.5 | - |

Release site : No. 4 - Matecumbe Key
 Date of release : Mar. 6, 1959
 Number released : 1,672
 Number recovered: 0

Release site : No. 5 - Barnes Sound
 Date of release : July 7-16, 1959
 Number released : 7,084
 Number recovered: 29

| | | | | | | |
|-------------|----|----|-----|-----|---|-------|
| <u>1959</u> | | | | | | |
| July | 28 | BS | T12 | 1-2 | F | 21.4 |
| Aug. | 1 | BS | T12 | 1-2 | F | 21.8 |
| | 8 | BS | T12 | 1-2 | M | 20.2. |
| | 8 | BS | T12 | 1-2 | M | 22.7 |
| | 15 | BS | T12 | 1-2 | F | 23.0 |
| | 16 | BS | T12 | 1-2 | M | 22.7 |
| | 16 | BS | T12 | 1-2 | M | 21.4 |
| | 26 | BS | T12 | 1-2 | F | 22.6 |
| | 26 | BS | T12 | 1-2 | F | 26.3 |
| | 28 | BS | T12 | 1-2 | F | 25.2 |
| | 28 | BS | T12 | 1-2 | F | 25.9 |
| | 28 | BS | T12 | 1-2 | F | 23.5 |

Appendix Table 1.--Continued

Release site: No. 5 - Barnes Sound--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------|-------------------------|-------|-----|--------------------|-----------------|
| 1959 | | | | | | |
| Sep. | 5 | BS | T12 | F | mm. 24.0 | B |
| | 7 | BS | T12 | M | 23.2 | B |
| | 7 | BS | T12 | F | 24.4 | B |
| | 12 | BS | T12 | F | 22.5 | B |
| | 24 | BS | T12 | F | 27.8 | B |
| Oct. | 11-17 | BS | T12 | M | 27.2 | B |
| | 11-17 | BS | T12 | F | 29.0 | B |
| | 11-17 | BS | T12 | F | 30.7 | B |
| | 11-17 | BS | T12 | F | 27.4 | B |
| | 11-17 | BS | T12 | F | 31.4 | B |
| | 25-26 | BS | T12 | F | 30.0 | B |
| | 25-26 | BS | T12 | F | 32.0 | B |
| Nov. | 8 | BS | T12 | F | 29.0 | B |
| | 8 | BS | T12 | F | 33.4 | B |
| | 10 | BS | T12 | F | 32.4 | B |
| 1960 | | | | | | |
| Jan. | 1 | BS | T12 | F | 37.3 | B |
| | 2 | BS | T12 | M | 30.6 | B |

Release site : No. 6 - Shark River
 Date of release : Nov. 2-6, 1959
 Number released : 16,638
 Number recovered: 31

| 1959 | | | | | | |
|-------------|-------|----|-----|----|---|------|
| Dec. | 9 | TG | I14 | 14 | M | 20.2 |
| | 11 | TG | I14 | 14 | F | 24.1 |
| | 12 | TG | G15 | 14 | F | 20.6 |
| | 14-19 | TG | H15 | 14 | M | 22.2 |
| | 17 | TG | F15 | 14 | M | 21.0 |
| 1960 | | | | | | |
| Jan. | 1 | TG | J14 | 13 | M | 24.1 |
| | 2 | TG | J14 | 12 | M | 21.1 |
| | 3 | TG | I14 | 14 | F | 25.6 |
| | 4 | TG | J14 | 11 | M | 25.1 |
| | 7 | TG | H15 | 12 | F | 26.1 |
| | 14 | TG | J14 | - | F | 27.8 |
| | 26 | TG | J14 | 12 | F | 27.7 |
| | 27 | TG | K15 | 8 | M | 22.3 |

Appendix Table 1.--Continued

Release site: No. 6 - Shark River--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|----|-------------------------|-------|-----|--------------------|-----------------|
| 1960 | | | | | | |
| Jan. | 27 | TG | K15 | - | M | 21.8 |
| | 27 | TG | G15 | 16 | M | 27.0 |
| | 28 | TG | K15 | 9 | M | 23.8 |
| | 29 | TG | J14 | 13 | M | 26.7 |
| | 29 | TG | H15 | 14 | F | 26.7 |
| Feb. | 3 | TG | J15 | 13 | M | 23.2 |
| | 6 | TG | K15 | 9 | M | 20.1 |
| | 7 | TG | H15 | 14 | M | 24.0 |
| | 8 | TG | H14 | 16 | F | 26.4 |
| | 8 | TG | K15 | - | M | 25.3 |
| | 9 | TG | K15 | 9 | M | 24.2 |
| | 9 | TG | I14 | 15 | F | 26.8 |
| | 10 | TG | K15 | 10 | M | 23.6 |
| | 10 | TG | J15 | 12 | M | 27.0 |
| | 22 | TG | J14 | 13 | M | 25.1 |
| | 29 | TG | H13 | 17 | F | 30.7 |
| Mar. | 4 | TG | H13 | 17 | M | 25.5 |
| | 9 | TG | J14 | 12 | M | 22.7 |

Release site : No. 7 - Hawk Channel

Date of release : Feb. 4, 1960

Number released : 6,815

Number recovered: 18

| 1960 | | | | | | |
|-------|----|----|-----|----|---|------|
| Mar. | 25 | TG | H15 | 15 | F | 25.5 |
| | 30 | - | - | - | F | 30.5 |
| Apr. | 9 | TG | G15 | 16 | M | 22.8 |
| | 17 | TG | G15 | 16 | M | 25.8 |
| | 18 | TG | G15 | 13 | F | 30.6 |
| | 20 | TG | F15 | 16 | M | 23.7 |
| | 20 | TG | H17 | 27 | F | 31.6 |
| | 20 | TG | H17 | 27 | M | 28.8 |
| | 21 | TG | F15 | 16 | F | 31.5 |
| | 22 | TG | H15 | 15 | M | 23.4 |
| | 24 | TG | H17 | 24 | M | 22.3 |
| | 25 | TG | E17 | 25 | F | 28.0 |
| | 26 | TG | E17 | 25 | F | 30.8 |
| 28-30 | | TG | H15 | 13 | M | 24.1 |
| May | 3 | TG | H17 | 27 | F | 29.2 |

Appendix Table 1.--Continued

Release site: No. 7 - Hawk Channel--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|-----|--------------------|-----------------|
| <u>1960</u> | | | | | |
| May 18-22 | TG | F15 | 17 | F | 24.9 |
| 18-22 | TG | F15 | 17 | M | 22.9 |
| July 13 | TG | D15 | 26 | M | 30.7 |

Release site : No. 8 - Biscayne Bay
 Date of release : Aug. 9, 1960
 Number released : 11,000
 Number recovered: 0

Release site : No. 9 - Bottle Key
 Date of release : Nov. 1-4, 1960
 Number released : 13,306
 Number recovered: 60

| | | | | | | |
|-------------|-------|----|-----|----|---|------|
| <u>1960</u> | | | | | | |
| Nov. | 24 | FB | S13 | 1 | M | 16.9 |
| | 24 | FB | S13 | 1 | F | 16.7 |
| | 24 | FB | S13 | 1 | M | 18.3 |
| | 26 | FB | S13 | 1 | M | 19.7 |
| | 26 | FB | S13 | 1 | F | 14.8 |
| Dec. | 2 | FB | S13 | 1 | M | 19.2 |
| | 2 | FB | S13 | 1 | M | 17.1 |
| | 2 | FB | S13 | 1 | F | 20.5 |
| | 2 | FB | S13 | 1 | M | 14.2 |
| <u>1961</u> | | | | | | |
| Jan. | 13 | TG | E15 | 24 | M | 25.9 |
| | 17 | TG | I14 | 15 | M | 22.5 |
| | 17 | TG | G15 | 13 | M | 18.1 |
| | 19-20 | TG | J14 | 10 | F | 20.0 |
| | 21 | FB | S14 | - | M | 22.6 |
| | 26 | TG | G15 | 15 | F | 23.4 |
| | 26 | TG | G15 | 13 | M | 26.5 |
| Feb. | 2 | TG | F15 | 16 | F | 24.5 |
| | 7 | TG | G16 | - | M | 21.7 |
| | 12 | TG | I14 | 13 | F | 26.5 |
| | 12 | TG | H15 | 14 | M | 21.2 |
| | 13 | TG | K14 | 10 | M | 25.3 |
| | 14 | TG | I15 | 13 | M | 25.1 |

Appendix Table 1.--Continued

17

Release site: No. 9 - Bottle Key--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------|-------------------------|-------|-----|--------------------|-----------------|
| <u>1961</u> | | | | | | |
| Feb. | 14 | TG | J14 | 10 | M | 23.1 |
| | 17 | TG | G15 | 15 | F | 24.5 |
| | 20-22 | TG | K15 | 10 | M | 24.1 |
| | 21-22 | TG | K15 | 9 | M | 23.6 |
| | 22 | TG | K13 | 10 | F | 28.2 |
| | 23 | TG | K15 | 9 | M | 24.5 |
| | 24 | TG | H15 | - | M | 23.9 |
| Mar. | 1 | TG | K15 | 9 | F | 26.1 |
| | 2 | TG | K15 | 9 | M | 20.5 |
| | 3 | TG | J14 | 11 | M | 28.7 |
| | 3 | TG | K15 | 10 | M | 24.0 est. |
| | 4 | TG | I14 | 15 | F | 22.5 |
| | 10 | TG | G15 | 12 | M | 24.4 |
| | 11 | TG | I14 | 14 | M | 24.3 |
| | 11-12 | TG | - | - | M | 23.6 |
| | 15 | TG | I15 | 12 | M | 23.2 |
| | 16 | TG | I15 | 12 | F | 28.6 |
| | 16 | TG | I15 | 12 | F | 20.9 |
| | 16 | TG | I15 | 13 | M | 20.2 |
| | 17 | TG | K15 | 9 | M | 21.1 |
| | 18 | TG | I15 | 13 | F | 23.5 |
| | 22 | TG | H15 | 13 | M | 21.6 |
| | 22 | TG | H14 | 17 | M | 25.1 |
| | 22 | TG | I15 | 14 | F | 27.3 |
| | 23 | TG | J14 | 12 | F | 24.9 |
| | 23 | TG | H15 | 15 | M | 21.7 |
| | 23 | TG | G15 | 15 | F | 25.5 |
| | 24 | TG | F15 | 17 | M | 26.0 |
| | 24 | TG | H15 | 15 | F | 27.7 |
| | 28 | TG | J13 | 12 | M | 25.5 |
| | 29 | TG | J14 | 13 | M | 26.8 |
| | 31 | TG | G15 | 15 | M | 25.1 |
| Apr. | 3 | TG | G15 | 13 | F | 28.0 |
| | 6 | TG | K13 | 11 | M | 25.1 |
| | - | TG | - | - | F | 26.8 |
| | 27 | TG | G15 | 16 | M | 25.1 |
| May | 3 | TG | F12 | 21 | F | 35.4 |
| | 26 | TG | D15 | 23 | M | 25.7 |

Appendix Table 1.--Continued

Release site : No. 10 - Pine Island Sound
 Date of release : Nov. 29 - Dec. 15, 1960
 Number released : 32,913
 Number recovered: 155

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|-----|--------------------|-----------------|
| 1961 | | | | | |
| Jan. 12 | SSG | K7 | F | 25.1 | B |
| 23 | SSG | J6 | M | 21.3 | B |
| Feb. 5 | SSG | J6 | M | 24.3 | B |
| 6 | SSG | J6 | M | 22.9 | B |
| 6 | SSG | J6 | M | 25.3 | B |
| 14 | SSG | I6 | M | 23.7 | B |
| 15 | SSG | J6 | F | 22.5 | B |
| 15 | SSG | J6 | F | 26.2 | B |
| 16 | SSG | J6 | M | 22.7 | B |
| 18 | SSG | K7 | M | 23.6 | B |
| 19 | SSG | K7 | F | 32.4 | B |
| 19 | SSG | K7 | F | 25.4 | B |
| 19 | SSG | K7 | M | 24.5 | B |
| 19 | SSG | J6 | M | 24.5 | B |
| 19 | SSG | J6 | M | 23.9 | B |
| 20 | SSG | J6 | F | 28.5 | B |
| 21 | SSG | J6 | M | 24.7 | B |
| 21 | SSG | J6 | M | 25.2 | B |
| 21 | SSG | J6 | F | 22.1 est. | B |
| 22 | SSG | I6 | F | 26.6 | B |
| 22 | SSG | I6 | F | 28.7 | B |
| 23 | SSG | I6 | F | 25.2 | B |
| 27 | SSG | I6 | F | 29.1 | B |
| 27 | SSG | J6 | M | 25.4 | B |
| Mar. 1 | SSG | I6 | M | 26.6 | B |
| 1 | SSG | I6 | F | 24.4 | B |
| 1 | SSG | I6 | F | 26.7 | B |
| 1 | SSG | J7 | F | 24.4 | B |
| 2 | SSG | J7 | F | 26.8 | B |
| 2 | SSG | J7 | F | 29.7 | B |
| 2 | SSG | J6 | F | 24.4 | B |
| 2 | SSG | J6 | F | 28.7 | B |
| 2 | SSG | J6 | F | 22.5 est. | B |
| 2 | SSG | J6 | F | 24.3 | B |
| 3 | SSG | J7 | M | 26.3 | B |
| 4 | SSG | I6 | F | 31.4 | B |
| 4 | SSG | J7 | M | 25.5 | B |
| 6 | SSG | J6 | F | 20.7 | B |
| 6 | SSG | J6 | F | 29.2 | B |
| 7 | SSG | J6 | M | 26.0 | B |
| 7 | SSG | J6 | M | 26.1 | B |

Appendix Table 1--Continued

Release site: No. 10 - Pine Island Sound--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|-----|--------------------|-----------------|
| 1961 | | | | | |
| Mar. 7 | SSG | J6 | F | 26.5 | B |
| 9-16 | SSG | J7 | F | 32.1 | B |
| 11 | SSG | J7 | F | 21.4 | B |
| 11 | SSG | J7 | M | 25.7 | B |
| 12 | SSG | I7 | F | 32.0 | B |
| 12 | SSG | I6 | M | 26.6 | B |
| 13 | SSG | H5 | M | 24.9 | B |
| 13 | SSG | J6 | F | 25.8 | B |
| 14 | SSG | J7 | F | 24.1 | B |
| 15 | SSG | J7 | M | 26.1 | B |
| 15 | SSG | J7 | M | 29.1 | B |
| 15 | SSG | I6 | F | 26.4 | B |
| 15 | SSG | I6 | M | 26.7 | B |
| 15 | SSG | I6 | F | 28.7 | B |
| 15 | SSG | J7 | F | 31.5 | B |
| 15-16 | SSG | J7 | F | 27.7 | B |
| 15-16 | SSG | J7 | M | 26.1 | B |
| 15-16 | SSG | J7 | M | 26.1 | B |
| 15-16 | SSG | J7 | M | 22.8 | B |
| 16 | SSG | J6 | M | 27.3 | B |
| 16 | SSG | J6 | F | 29.3 est. | B |
| 16 | SSG | J6 | M | 28.8 | B |
| 16 | SSG | I6 | F | 31.2 | B |
| 16 | SSG | I6 | M | 26.1 | B |
| 16 | SSG | J6 | M | 22.8 | B |
| 16 | SSG | J6 | F | 34.4 | B |
| 16 | SSG | I6 | M | 23.4 | B |
| 16 | SSG | I6 | F | 25.6 | B |
| 17 | SSG | I6 | F | 26.1 | B |
| 17 | SSG | I6 | F | 31.7 | B |
| 17 | SSG | J6 | F | 29.5 | B |
| 17 | SSG | I7 | M | 22.5 | B |
| 19 | SSG | J6 | M | 22.7 | B |
| 19 | SSG | J6 | F | 26.4 | B |
| 20 | SSG | J6 | F | 34.5 | B |
| 20 | SSG | J6 | F | 28.7 | B |
| 20 | SSG | J7 | M | 23.2 | B |
| 20 | SSG | I6 | F | 30.1 | B |
| 20 | SSG | J7 | M | 24.2 | B |
| 20 | SSG | J6 | M | 24.1 | B |
| 20 | SSG | J6 | M | 26.6 | B |
| 21 | SSG | J7 | F | 25.1 est. | B |
| 21 | SSG | J6 | M | 24.7 est. | B |
| 22 | SSG | J6 | M | 21.2 | B |

Appendix Table 1.--Continued

Release site: No. 10 - Pine Island Sound--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|-----|--------------------|-----------------|
| <u>1961</u> | | | | | |
| Mar. 22 | SSG | J6 | F | 29.1 | B |
| 22 | SSG | I6 | M | 24.6 | B |
| 22 | SSG | J6 | M | 26.7 | B |
| 22 | SSG | J6 | M | 24.2 | B |
| 23 | SSG | J6 | F | 25.8 | B |
| 23 | SSG | J6 | F | 28.7 | B |
| 24 | SSG | J6 | M | 26.3 | B |
| 24 | SSG | J6 | M | 25.2 | B |
| 24 | SSG | I6 | M | 28.3 | B |
| 24 | SSG | J6 | F | 30.1 | B |
| 25 | SSG | J6 | F | 25.4 | B |
| 26 | SSG | J7 | M | 26.8 | B |
| 29 | SSG | I6 | F | 30.6 | B |
| 29 | NSG | H4 | M | 29.1 | B |
| 30 | SSG | I7 | F | 32.5 | B |
| 30 | SSG | I6 | F | 29.1 | B |
| Apr. 3 | SSG | J6 | M | 26.1 | B |
| 3 | SSG | J6 | M | 24.5 | B |
| 5 | SSG | J6 | M | 25.1 | B |
| 5 | SSG | K6 | M | 28.7 | B |
| 5 | SSG | J6 | M | 24.2 | B |
| 5 | SSG | J6 | F | 29.7 | B |
| 7 | SSG | I6 | F | 34.1 | B |
| 7 | SSG | I6 | F | 33.5 | B |
| 10 | SSG | I6 | M | 26.2 | B |
| 10 | SSG | J6 | M | 29.4 | B |
| 10 | SSG | J6 | F | 33.6 | B |
| 11 | SSG | I6 | M | 25.8 | B |
| 11 | SSG | J6 | F | 28.2 | B |
| 11 | SSG | I6 | M | 29.9 | B |
| 12 | SSG | I6 | M | 25.7 | B |
| 12 | SSG | I6 | F | 31.2 | B |
| 12 | SSG | I6 | F | 35.6 | B |
| 12 | SSG | I6 | M | 27.5 | B |
| 12 | SSG | I6 | F | 31.0 | B |
| 13 | NSG | H4 | M | 26.0 | B |
| 14 | SSG | J7 | F | 33.4 | B |
| 14 | SSG | I7 | F | 29.3 | B |
| 15 | SSG | J6 | F | 35.1 | B |
| 15 | SSG | J6 | F | 38.5 | B |
| 15 | SSG | J6 | F | 29.6 | B |
| 15 | SSG | J6 | F | 29.7 | B |
| 15 | SSG | J6 | M | 28.6 | B |
| 15 | SSG | J6 | F | 31.6 | B |

Appendix Table 1.--Continued

Release site: No. 10 - Pine Island Sound--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|------------|-----|--------------------|-----------------|
| 1961 | | | | | |
| Apr. 18 | SSG J6 | 10 Fathoms | F | mm. 34.7 | B |
| 18 | SSG J6 | 10 | F | 35.3 | B |
| 18 | SSG I6 | 10 | F | 34.8 | B |
| 18 | SSG J6 | 6 | M | 25.7 | B |
| 19 | SSG I7 | 10 | F | 32.9 | B |
| 22 | NSG H4 | 8 | M | 27.8 | B |
| 22 | NSG H4 | 8 | F | 32.8 | B |
| 23 | SSG I7 | 8 | F | 34.7 | B |
| 23 | NSG H4 | 9 | F | 35.2 | B |
| 25 | SSG J6 | 10 | M | 26.6 | B |
| 25 | SSG I7 | 10 | F | 35.0 | B |
| 26 | SSG J6 | 10 | F | 29.7 | B |
| 26 | SSG I6 | 10 | M | 28.2 | B |
| 26 | SSG I7 | 10 | M | 28.7 | B |
| 27 | SSG I7 | 10 | F | 30.4 | B |
| 28 | SSG I6 | 9 | M | 28.4 | B |
| 29 | SSG J6 | 7 | F | 30.3 | B |
| May 2 | SSG J7 | 8 | M | 28.8 | B |
| 9 | SSG J6 | 7 | M | 29.5 | B |
| 11 | SSG I7 | 10 | M | 31.6 | B |
| 13 | SSG I7 | 9 | F | 35.7 | B |
| 13 | SSG I7 | 9 | F | 34.7 | B |
| 15 | NSG H5 | 10 | F | 31.7 | B |
| 16 | NSG H4 | -- | F | 35.4 | B |
| 17 | SSG I6 | 7 | F | 36.8 | B |
| Nov. 3 | SSG J7 | 9 | M | 35.4 | B |

Release site : No. 11 - Biscayne Bay
 Date of release : Apr. 18, 1961
 Number released : 2,775
 Number recovered: 4

| 1961 | | | | | | |
|---------|----|----|-----|---|------|---|
| May 22 | BB | U9 | 1-2 | M | 19.1 | B |
| June 20 | BB | U9 | 1-2 | F | 23.6 | B |
| 22 | BB | U9 | - | F | 26.3 | B |
| 24 | BB | U9 | 1-2 | M | 22.3 | B |

Appendix Table 1.--Continued

Release site : No. 12 - Tortugas grounds
 Date of release : Sep. 20-23, 1961
 Number released : 2,091
 Number recovered: 443

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by | |
|-------------|----|-------------------------|----------------|-----|--------------------|-----------------|---|
| <u>1961</u> | | | <u>Fathoms</u> | | <u>mm.</u> | | |
| Sep. | 20 | TG | I15 | 13 | F | 19.3 | B |
| | 20 | TG | I15 | 13 | M | 19.8 | B |
| | 20 | TG | I15 | 13 | M | 19.7 | B |
| | 20 | TG | I15 | 13 | M | 20.1 | B |
| | 20 | TG | I15 | 13 | M | 20.4 | B |
| | 20 | TG | I15 | 13 | F | 19.1 | B |
| | 20 | TG | I15 | 13 | M | 19.6 | B |
| | 21 | TG | I15 | 13 | F | 18.8 | B |
| | 21 | TG | I15 | 13 | M | 18.3 | B |
| | 21 | TG | I15 | 13 | M | 18.9 | B |
| | 21 | TG | I14 | - | M | 18.0 | P |
| | 21 | TG | I14 | - | M | 18.5 | P |
| | 21 | TG | J14 | 13 | F | 18.4 | B |
| | 21 | TG | I15 | 13 | F | 19.1 | B |
| | 21 | TG | I14 | 14 | F | 19.2 | B |
| | 22 | TG | I14 | 14 | M | 18.9 | B |
| | 22 | TG | I14 | 14 | M | 18.4 | B |
| | 22 | TG | I15 | 13 | F | 19.3 | P |
| | 22 | TG | I15 | 13 | F | 19.5 | P |
| | 22 | TG | I15 | 13 | M | 19.7 | P |
| | 22 | TG | I15 | 13 | M | 18.6 | P |
| | 22 | TG | I15 | 13 | F | 19.4 | B |
| | 22 | TG | I15 | 13 | M | 19.1 | B |
| | 22 | TG | I15 | 13 | F | 19.5 | B |
| | 22 | TG | I15 | 13 | F | 18.9 | B |
| | 22 | TG | I14 | 13 | M | 19.2 | B |
| | 22 | TG | I15 | 13 | M | 18.8 | P |
| | 23 | TG | I15 | 12 | M | 19.2 | B |
| | 23 | TG | I15 | 12 | M | 19.1 | B |
| | 23 | TG | I15 | 12 | M | 18.7 | B |
| | 23 | TG | I15 | 12 | M | 18.9 | B |
| | 23 | TG | I15 | 12 | F | 19.1 | B |
| | 23 | TG | I15 | 12 | F | 18.5 | B |
| | 23 | TG | I15 | 12 | F | 18.5 | B |
| | 23 | TG | I15 | 12 | M | 18.5 | B |
| | 23 | TG | I15 | 12 | M | 18.5 | B |
| | 23 | TG | I14 | - | F | 19.0 | P |
| | 23 | TG | I15 | 13 | F | 19.5 | B |

Appendix Table 1.--Continued

Release site: No. 12 - Tortugas grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|-----|--------------------|-----------------|
| <u>1961</u> | | | | | |
| Sep. 23 | TG | I15 | 13 | M | 19.0 |
| 23 | TG | I15 | 13 | F | 19.1 |
| 23 | TG | I15 | 13 | M | 19.6 |
| 23 | TG | I15 | 13 | M | 19.2 |
| 23 | TG | I15 | 13 | M | 19.8 |
| 23 | TG | I15 | 13 | F | 19.2 |
| 23 | TG | I15 | 13 | F | 18.7 |
| 23 | TG | I15 | 13 | M | 19.1 |
| 24 | TG | I15 | 13 | M | 19.4 |
| 24 | TG | I15 | 13 | M | 19.6 |
| 24 | TG | I15 | 13 | M | 19.1 |
| 24 | TG | I14 | 13 | F | 20.0 |
| 24 | TG | I14 | 13 | M | 19.2 |
| 24 | TG | I14 | 13 | M | 19.1 |
| 25 | TG | I15 | 12 | F | 20.1 |
| 25 | TG | H15 | 13 | M | 18.2 |
| 25 | TG | H15 | 13 | M | 19.0 |
| 25 | TG | H15 | 13 | M | 18.9 |
| 25 | TG | H15 | 13 | M | 18.8 |
| 25 | TG | H15 | 13 | F | 19.9 |
| 25 | TG | H15 | 13 | M | 18.8 |
| 25 | TG | H15 | 13 | F | 19.2 |
| 25 | TG | H15 | 13 | F | 19.0 |
| 25 | TG | H15 | 13 | M | 19.5 |
| 25 | TG | H15 | 13 | F | 19.7 |
| 25 | TG | H15 | 13 | M | 19.2 |
| 25 | TG | H15 | 13 | F | 18.7 |
| 25 | TG | I15 | 13 | F | 19.2 |
| 25 | TG | I15 | 13 | M | 19.2 |
| 25 | TG | I15 | 13 | F | 19.8 |
| 25 | TG | I15 | 13 | M | 19.4 |
| 26 | TG | I15 | 12 | M | 19.0 |
| 26 | TG | I15 | 12 | M | 19.0 |
| 26 | TG | I15 | 12 | F | 18.9 |
| 26 | TG | I15 | 12 | M | 18.7 |
| 26 | TG | I15 | 12 | F | 19.2 |
| 26 | TG | I15 | 12 | M | 19.1 |
| 26 | TG | H15 | 13 | M | 19.1 |
| 26 | TG | I15 | 13 | F | 19.6 |
| 26 | TG | I15 | 13 | F | 18.7 |
| 26 | TG | I15 | 13 | M | 18.1 |
| 26 | TG | I15 | 13 | F | 18.1 |

Appendix Table 1.--Continued

Release site: No. 12 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|----|-------------------------|-------|-----|--------------------|-----------------|
| <u>1961</u> | | | | | | |
| Sep. | 26 | TG | I15 | F | 20.0 | B |
| | 26 | TG | I15 | F | 18.8 | B |
| | 27 | TG | I15 | M | 18.8 | P |
| | 27 | TG | I15 | M | 18.2 | P |
| | 27 | TG | I15 | F | 19.2 | P |
| | 27 | TG | I15 | M | 19.6 | P |
| | 27 | TG | J14 | F | 20.0 | P |
| | 27 | TG | I14 | F | 20.4 | B |
| | 27 | TG | I14 | F | 19.2 | B |
| | 27 | TG | J14 | F | 20.5 | B |
| | 27 | TG | J14 | M | 20.0 | B |
| | 27 | TG | I15 | M | 19.1 | P |
| | 28 | TG | J14 | F | 19.9 | B |
| | 28 | TG | J14 | F | 20.7 | B |
| | 28 | TG | J14 | M | 20.0 | B |
| | 28 | TG | I15 | F | 19.0 | P |
| | 28 | TG | I15 | F | 20.4 | B |
| | 28 | TG | I15 | F | 19.0 | B |
| | 28 | TG | I15 | F | 30.2 | B |
| | 28 | TG | I15 | M | 19.5 | B |
| | 28 | TG | I15 | F | 20.0 | B |
| | 28 | TG | I15 | M | 18.7 | B |
| | 28 | TG | I15 | F | 19.1 | B |
| | 28 | TG | I15 | F | 18.4 | B |
| | 28 | TG | I15 | F | 19.2 | B |
| | 28 | TG | I15 | F | 19.3 | B |
| | 28 | TG | I15 | F | 18.2 | P |
| | 29 | TG | I15 | F | 19.1 | B |
| | 29 | TG | I15 | F | 19.2 | B |
| | 29 | TG | I15 | M | 19.8 | B |
| | 30 | TG | I15 | M | 18.9 | B |
| | 30 | TG | I15 | F | 19.4 | P |
| | 30 | TG | I15 | F | 19.4 | B |
| Oct. | 1 | TG | I15 | M | 19.1 | P |
| | 2 | TG | I15 | F | 18.9 | P |
| | 2 | TG | J14 | F | 21.4 | P |
| | 2 | TG | J14 | F | 20.0 | P |
| | 2 | TG | J14 | F | 20.2 | P |
| | 2 | TG | J14 | M | 19.4 | B |
| | 2 | TG | I15 | F | 21.1 | B |

Appendix Table 1.--Continued

Release site: No. 12 - Tortugas grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|--------|-------------------------|-------|---------|--------------------|-----------------|
| 1961 | | | | | |
| Oct. 3 | TG | I15 | Fathoms | mm. | |
| 3 | TG | I15 | - | 20.3 | P |
| 3 | TG | I15 | 13 | - | P |
| 4 | TG | I15 | 13 | 19.5 | P |
| 4 | TG | I15 | 13 | 20.9 | B |
| 4 | TG | I15 | 13 | 20.8 | B |
| 4 | TG | I15 | 13 | 19.2 | B |
| 4 | TG | I15 | 13 | 20.7 | B |
| 4 | TG | I15 | 13 | 20.5 | B |
| 4 | TG | I15 | 13 | 21.5 | B |
| 4 | TG | I15 | 13 | 20.4 | B |
| 4 | TG | I15 | 13 | - | B |
| 4 | TG | I15 | 13 | 20.1 | B |
| 5 | TG | I15 | 13 | 21.9 | B |
| 5 | TG | I15 | 13 | 20.0 | B |
| 5 | TG | I15 | 13 | 20.2 | B |
| 5 | TG | I14 | 13 | 20.3 | B |
| 5 | TG | I14 | 13 | 20.7 | B |
| 5 | TG | H15 | 12 | 20.9 | P |
| 5 | TG | I15 | 13 | 20.4 | B |
| 5 | TG | I15 | 13 | 19.6 | B |
| 5 | TG | I15 | 12 | 19.2 | B |
| 5 | TG | I15 | 12 | 21.1 | B |
| 5 | TG | I15 | 12 | 20.1 | B |
| 5 | TG | I15 | 12 | - | B |
| 5 | TG | I15 | 12 | 20.5 | B |
| 5 | TG | I15 | 12 | 20.6 | B |
| 5 | TG | I15 | 12 | 19.6 | B |
| 5 | TG | I15 | 12 | 20.2 | B |
| 5 | TG | I15 | 12 | 19.0 | B |
| 5 | TG | I15 | 12 | 19.4 | B |
| 5 | TG | I15 | 12 | 20.2 | B |
| 6 | TG | I15 | 13 | 20.9 | B |
| 6 | TG | I15 | 12 | 19.6 | B |
| 7 | TG | - | - | 20.3 | P |
| 7 | TG | I14 | 14 | - | B |
| 7 | TG | I14 | 14 | - | B |
| 7 | TG | I14 | 14 | 19.6 | B |
| 8 | TG | I14 | 13 | 20.1 | P |
| 10 | TG | F15 | 18 | 20.9 | P |
| 12 | TG | J14 | 13 | 22.1 | B |
| 13 | TG | H15 | 14 | 21.6 | B |

Appendix Table 1.--Continued

Release site: No. 12 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|----|-------------------------|-------|-----|--------------------|-----------------|
| <u>1961</u> | | | | | | |
| Oct. | 13 | TG | I15 | F | 22.2 | B |
| | 13 | TG | I15 | F | 22.6 | B |
| | 13 | TG | I15 | M | 22.8 | P |
| | 14 | TG | I15 | M | 22.7 | B |
| | 14 | TG | I15 | M | 22.3 | B |
| | 14 | TG | I15 | M | 23.0 | B |
| | 14 | TG | I15 | F | 23.4 | B |
| | 14 | TG | I15 | M | 21.6 | B |
| | 14 | TG | I15 | M | 23.1 | B |
| | 14 | TG | I15 | F | 23.6 | B |
| | 14 | TG | I15 | F | 23.2 | B |
| | 15 | TG | G15 | F | - | P |
| | 15 | TG | G15 | F | 21.7 | P |
| | 15 | TG | G15 | - | - | P |
| | 15 | TG | I15 | M | 23.4 | B |
| | 16 | TG | I15 | M | 21.9 | P |
| | 20 | TG | I14 | M | 23.2 | B |
| | 20 | TG | I14 | F | 24.4 | B |
| | 20 | TG | I14 | M | 21.9 | B |
| | 20 | TG | I14 | M | 23.5 | B |
| | 21 | TG | I15 | M | 23.2 | B |
| | 21 | TG | I14 | M | - | B |
| | 21 | TG | I14 | F | 23.0 | B |
| | 21 | TG | I14 | F | 24.5 | B |
| | 21 | TG | I15 | M | 23.2 | B |
| | 22 | TG | I15 | M | 24.6 | B |
| | 22 | TG | I14 | M | 23.1 | B |
| | 22 | TG | I14 | M | 23.3 | B |
| | 22 | TG | I15 | M | 24.1 | B |
| | 22 | TG | I15 | F | 25.3 | B |
| | 22 | TG | I15 | M | 22.3 | B |
| | 22 | TG | I15 | M | 23.7 | B |
| | 22 | TG | I14 | F | 24.8 | B |
| | 22 | TG | I14 | M | 24.4 | B |
| | 22 | TG | I14 | M | 22.3 | B |
| | 22 | TG | I14 | F | 22.7 | B |
| | 22 | TG | I15 | M | - | B |
| | 23 | TG | I14 | M | 23.7 | B |
| | 23 | TG | I14 | F | 23.9 | B |
| | 23 | TG | I14 | M | 22.7 | B |
| | 23 | TG | I14 | M | 21.5 | B |

Appendix Table 1.--Continued

27

Release site: No. 12 - Tortugas grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|-------|--------------------|-----------------|
| 1961 | | | | | |
| Oct. 23 | TG | - | - | M | 24.6 |
| 23 | TG | - | - | F | 24.5 |
| 23 | TG | - | - | F | 23.0 |
| 23 | TG | I15 | 14 | F | 23.5 |
| 23 | TG | I15 | 12 | F | 23.2 |
| 23 | TG | I14 | 13 | M | 23.5 |
| 23 | TG | I14 | 13 | M | - |
| 23 | TG | I14 | 13 | F | 25.1 |
| 23 | TG | - | - | F | - |
| 23 | TG | I15 | 12 | F | 26.2 |
| 23 | TG | I15 | 12 | F | 24.0 |
| 23 | TG | I14 | 14 | M | 23.2 |
| 23 | TG | I15 | 12 | F | 23.8 |
| 23 | TG | I15 | 12 | F | 24.5 |
| 23 | TG | I15 | 12 | F | 22.9 |
| 23 | TG | I14 | 14 | F | 24.9 |
| 23 | TG | I14 | 14 | M | 23.1 |
| 23 | TG | I14 | 14 | F | 24.5 |
| 23 | TG | I14 | 14 | M | 24.1 |
| 23 | TG | I14 | - | M | 23.8 |
| 23 | TG | I14 | 14 | M | 23.9 |
| 23 | TG | I14 | 14 | M | 23.6 |
| 23 | TG | I14 | 14 | F | 24.5 |
| 23 | TG | I14 | 14 | F | 24.3 |
| 23 | TG | I14 | 14 | M | 23.1 |
| 23 | TG | I14 | 14 | M | 23.5 |
| 23 | TG | I14 | 13 | F | 25.5 |
| 23 | TG | I14 | 13 | M | 23.6 |
| 23 | TG | I14 | 13 | M | 23.1 |
| 23-24 | TG | I15 | 13 | F | 23.7 |
| 23-24 | TG | I15 | 13 | F | 24.4 |
| 23-24 | TG | - | - | F | 24.9 |
| 23-24 | TG | I14 | 13 | F | 22.3 |
| 23-24 | TG | I14 | 13 | F | 23.4 |
| 23-24 | TG | I14 | 13 | M | 23.2 |
| 23-24 | TG | I14 | 13 | F | 24.4 |
| 23-24 | TG | I14 | 13 | M | 25.0 est. |
| 23-24 | TG | I14 | 13 | F | 24.7 |
| 23-24 | TG | I14 | 13 | M | 21.9 |
| 23-24 | TG | I15 | 13 | M | 23.4 |
| 23-24 | TG | I14 | 14-15 | M | 22.5 |
| 23-24 | TG | I14 | 14-15 | M | 24.7 |

Appendix Table 1.--Continued

Release site: No. 12 - Tortugas grounds--Continued

28.

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by | |
|------|-------|-------------------------|---------|-------|--------------------|-----------------|---|
| 1961 | | | Fathoms | | mm. | | |
| Oct. | 23-24 | TG | I14 | 14-15 | F | 24.3 | B |
| | 23-24 | TG | I14 | 14-15 | M | 24.3 | B |
| | 23-24 | TG | I14 | 14-15 | F | 23.7 | B |
| | 23-24 | TG | I14 | 14-15 | M | 22.9 | B |
| | 23-24 | TG | I14 | 14-15 | F | 23.0 | B |
| | 24 | TG | I14 | 13 | F | 23.7 | B |
| | 24 | TG | I14 | 13 | F | 23.2 | B |
| | 24 | TG | I14 | 13 | M | 22.7 | B |
| | 24 | TG | I14 | 13 | F | 24.2 | B |
| | 24 | TG | I14 | 13 | M | 23.6 | B |
| | 24 | TG | I14 | 13 | F | 25.9 | B |
| | 24 | TG | I14 | 13 | M | 24.4 | B |
| | 24 | TG | I14 | 13 | M | 23.4 | B |
| | 24 | TG | I15 | 12 | M | 21.7 | P |
| | 24 | TG | I15 | 12 | F | 25.4 | P |
| | 24 | TG | - | - | F | 25.6 | P |
| | 24 | TG | I14 | 13 | F | 25.2 | B |
| | 24 | TG | - | - | M | 22.0 | B |
| | 24 | TG | I14 | 13 | M | 22.2 | P |
| | 24 | TG | I14 | 14 | M | 24.6 | P |
| | 24 | TG | I14 | 13 | F | 24.1 | B |
| | 24 | TG | I14 | 13 | M | 22.5 | P |
| | 24 | TG | I14 | 14 | M | 22.1 | P |
| | 24 | TG | I14 | 14 | F | 25.5 | P |
| | 24 | TG | I14 | 13 | M | 22.2 | P |
| | 24 | TG | I14 | 13 | F | 25.6 | B |
| | 24 | TG | I14 | 13 | M | 23.9 | B |
| | 24 | TG | I14 | 13 | F | 21.1 | B |
| | 24 | TG | I14 | 13 | F | 25.1 | B |
| | 24 | TG | I14 | 13 | M | 22.4 | B |
| | 24 | TG | I14 | 13 | M | 23.2 | B |
| | 24 | TG | I14 | 13 | M | 25.1 | B |
| | 24 | TG | I14 | 13 | F | 23.2 | B |
| | 24 | TG | I14 | 13 | M | 23.2 | B |
| | 24-25 | TG | I14 | 13 | F | 23.8 | B |
| | 24-25 | TG | I14 | 13 | M | 23.3 | B |
| | 24-25 | TG | I14 | 13 | M | 23.5 | B |
| | 24-25 | TG | I14 | 13 | M | 22.8 | B |
| | 24-25 | TG | I14 | 13 | F | 24.3 | B |
| | 24-25 | TG | I15 | 14 | F | 24.3 | B |

Appendix Table 1.--Continued

Release site: No. 12 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|------|-------|-------------------------|-------|-----|--------------------|-----------------|
| 1961 | | | | | | |
| Oct. | 24-25 | TG | I15 | | | |
| | 24-25 | TG | I15 | 14 | F | 24.9 |
| | 24-25 | TG | I15 | 14 | M | 23.0 |
| | 24-25 | TG | I15 | 14 | M | 23.2 |
| | 25 | TG | H15 | 14 | M | 22.7 |
| | 25 | TG | I13 | 12 | F | 23.7 |
| | 25 | TG | I15 | - | F | 25.4 |
| | 25 | TG | I15 | 12 | M | 23.5 |
| | 25 | TG | H15 | 10 | M | 23.1 |
| | 25 | TG | I14 | 13 | M | 22.9 |
| | 25 | TG | I14 | 13 | F | 23.7 |
| | 25 | TG | I14 | 13 | F | 23.4 |
| | 25 | TG | I14 | 13 | M | 24.2 |
| | 25 | TG | I14 | 13 | M | 23.6 |
| | 25 | TG | I14 | 13 | M | 22.6 |
| | 25 | TG | - | - | M | 23.5 |
| | 25 | TG | I14 | 13 | M | 22.7 |
| | 25 | TG | I14 | 13 | M | 24.4 |
| | 25 | TG | I14 | 13 | F | - |
| | 25 | TG | I14 | 13 | F | 24.0 |
| | 25 | TG | I14 | 13 | M | 23.4 |
| | 25 | TG | I14 | 13 | M | 22.5 |
| | 25 | TG | - | - | - | 26.9 |
| | 25 | TG | - | - | M | 23.2 |
| | 25 | TG | I15 | - | M | 23.2 |
| | 25 | TG | I15 | - | M | 20.7 |
| | 25 | TG | I15 | - | M | 21.9 |
| | 25 | TG | I15 | - | F | 23.8 |
| | 25 | TG | I15 | - | F | 23.8 |
| | 25 | TG | I15 | - | M | 22.9 |
| | 25 | TG | H15 | - | F | 24.7 |
| | 25 | TG | I15 | - | M | 24.3 |
| | 25 | TG | I15 | - | F | 23.7 |
| | 25 | TG | I15 | - | F | 25.3 |
| | 25 | TG | I15 | - | F | 23.7 |
| | 25 | TG | G16 | 13 | M | 23.1 |
| | 25 | TG | J14 | 13 | F | 24.1 |
| | 25 | TG | J14 | 13 | F | 23.9 |
| | 25 | TG | I14 | 13 | F | 26.4 |
| | 25 | TG | I14 | 13 | M | 23.3 |
| | 25 | TG | I14 | 13 | F | 23.7 |
| | 25 | TG | I14 | 13 | F | 24.7 |

Appendix Table 1.--Continued

Release site: No. 12 - Tortugas grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|-----|--------------------|-----------------|
| <u>1961</u> | | | | | |
| Oct. 25 | TG | I14 | 13 | M | 22.4 |
| 25 | TG | I14 | 13 | M | 22.3 |
| 25 | TG | I14 | 13 | F | 23.8 |
| 25 | TG | I14 | 13 | M | 23.3 |
| 25 | TG | H15 | 14 | M | 23.8 |
| 25 | TG | H15 | 14 | F | - |
| 25 | TG | H15 | 14 | F | 25.7 |
| 26 | TG | - | - | F | 23.7 |
| 26 | TG | - | - | M | 24.8 |
| 26 | TG | I15 | 13 | F | 23.7 |
| 26 | TG | I14 | 13 | M | 22.5 |
| 26 | TG | I14 | 13 | M | 25.8 |
| 26 | TG | - | - | M | 22.5 |
| 26 | TG | - | - | F | 26.2 |
| 26 | TG | I14 | 13 | M | 22.8 |
| 26 | TG | I14 | 13 | M | 25.2 |
| 26 | TG | I14 | 13 | F | 22.9 |
| 26 | TG | G16 | 13 | M | 22.3 |
| 26 | TG | G16 | 13 | M | 22.4 |
| 26 | TG | I14 | 13 | F | - |
| 27 | TG | I14 | 13 | F | 23.7 |
| 27 | TG | I14 | 13 | F | 24.8 |
| 27 | TG | - | - | - | - |
| 27 | TG | I14 | 13 | F | 22.9 |
| 27 | TG | I14 | 13 | F | 24.1 |
| 27 | TG | I14 | 13 | F | 23.4 |
| 27 | TG | I14 | 13 | M | 25.2 |
| 27 | TG | I14 | 13 | M | 22.1 |
| 27 | TG | I14 | - | M | 24.8 |
| 27 | TG | H15 | - | M | 23.3 |
| 27 | TG | I14 | 13 | M | 22.8 |
| 27 | TG | I14 | 13 | F | 24.0 |
| 27 | TG | I14 | 14 | F | 24.7 |
| 27 | TG | I14 | 13 | M | 23.2 |
| 27 | TG | I14 | - | F | 23.4 |
| 27 | TG | I14 | 13 | M | 23.3 |
| 27 | TG | I14 | 13 | M | 22.7 |
| 27 | TG | I14 | 13 | M | 26.5 |
| 27 | TG | I14 | 13 | F | 23.7 |
| 27 | TG | I14 | 13 | F | 26.2 |
| 27 | TG | I14 | 13 | F | 26.0 |

Appendix Table 1.--Continued

Release site: No. 12 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|------|----|-------------------------|---------|-----|--------------------|-----------------|
| 1961 | | | Fathoms | | mm. | |
| Oct. | 28 | TG | I14 | 13 | M | 22.9 |
| | 28 | TG | I14 | 13 | M | - |
| | 28 | TG | I14 | 13 | M | 22.5 |
| | 28 | TG | I15 | 13 | M | 24.1 |
| | 31 | TG | I14 | 13 | M | 24.1 |
| | 31 | TG | I14 | 13 | M | 25.7 |
| Nov. | 1 | TG | I14 | 13 | F | 27.0 |
| | 1 | TG | I14 | 13 | M | 23.2 |
| | 1 | TG | I14 | 13 | F | 25.6 |
| | 1 | TG | I14 | 13 | M | 24.2 |
| | 1 | TG | - | - | M | 24.4 |
| | 1 | TG | I14 | 13 | F | 25.1 |
| | 1 | TG | I15 | 13 | M | 26.3 |
| | 1 | TG | I14 | 13 | F | 26.4 |
| | 1 | TG | I15 | 11 | F | 27.5 |
| | 1 | TG | I14 | 13 | M | 24.1 |
| | 1 | TG | I14 | 13 | - | - |
| | 2 | TG | I14 | 13 | F | 27.8 |
| | 2 | TG | I14 | 13 | F | 26.2 |
| | 2 | TG | I14 | 13 | M | 25.1 |
| | 2 | TG | I14 | 13 | F | 28.1 |
| | 2 | TG | I15 | 13 | M | 24.6 |
| | 2 | TG | I14 | 13 | F | 25.3 |
| | 2 | TG | I15 | 14 | F | 26.2 |
| | 2 | TG | I14 | 14 | M | 25.2 |
| | 2 | TG | I14 | 15 | F | 25.7 |
| | 2 | TG | I14 | 15 | F | 25.8 |
| | 3 | TG | I14 | 13 | M | 25.1 |
| | 3 | TG | I14 | 13 | F | 27.4 |
| | 3 | TG | I14 | 13 | F | 26.4 |
| | 3 | TG | I14 | 13 | M | 22.8 |
| | 3 | TG | I14 | 13 | M | 24.4 |
| | 3 | TG | I14 | 13 | F | 23.7 |
| | 3 | TG | I14 | 13 | M | 24.8 |
| | 3 | TG | I14 | 13 | F | - |
| | 3 | TG | I14 | 13 | M | 24.2 |
| | 3 | TG | I14 | 13 | F | 29.1 |
| | 3 | TG | I14 | 13 | F | 26.7 |
| | 4 | TG | I15 | 14 | F | 26.5 |
| | 4 | TG | G15 | 15 | F | 25.5 |
| | 4 | TG | I14 | 13 | F | 25.2 |

Appendix Table 1.--Continued

Release site: No. 12 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|----|-------------------------|-------|-----|--------------------|-----------------|
| <u>1961</u> | | | | | | |
| Nov. | 5 | TG | I13 | 15 | M | 26.7 |
| | 5 | TG | I13 | 15 | M | 24.2 |
| | 5 | TG | I13 | 15 | M | 23.5 |
| | 5 | TG | I13 | 15 | F | 26.8 |
| | 5 | TG | I14 | 13 | M | 25.5 |
| | 5 | TG | I14 | 14 | M | 26.3 |
| | 5 | TG | I14 | 14 | F | - |
| | 5 | TG | I14 | 13 | F | 25.7 |
| | 5 | TG | I14 | 13 | F | 23.1 |
| | 5 | TG | I14 | 14 | M | 25.2 |
| | 5 | TG | I14 | 13 | F | 26.7 |
| | 6 | TG | I14 | 14 | M | 25.6 |
| | 6 | TG | I14 | 13 | M | 27.9 |
| | 6 | TG | I14 | 14 | M | 27.3 |
| | 7 | TG | J14 | - | F | 27.6 |
| | 7 | TG | - | - | M | - |
| | 7 | TG | - | - | F | 26.4 |
| | 7 | TG | G15 | 15 | M | 24.2 |
| | 7 | TG | I15 | 13 | M | 28.4 |
| | 8 | TG | H15 | 14 | M | 25.1 |
| | 9 | TG | I14 | 13 | F | 28.7 |
| | 9 | TG | I14 | 13 | M | 25.5 |
| | 9 | TG | I14 | 13 | M | 25.7 |
| | 9 | TG | - | - | M | 25.9 |
| | 12 | TG | G15 | 14 | M | 25.0 |
| | 12 | TG | - | - | F | 25.6 |
| | 13 | TG | H14 | 16 | M | 26.6 |
| | 13 | TG | H14 | 16 | M | 27.7 |
| | 15 | TG | I15 | 13 | F | 29.6 |
| | 18 | TG | - | - | M | 27.4 |
| | 20 | TG | - | - | M | 27.7 |
| Dec. | 11 | TG | G16 | 13 | F | 30.1 |
| | 12 | TG | F15 | 14 | F | 32.5 |
| | 15 | TG | I14 | 13 | M | 28.0 |

Appendix Table 1.--Continued

33

Release site : No. 13 - Sanibel grounds
 Date of release : Mar. 19-22, 1962
 Number released : 2,496
 Number recovered: 563

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|-----|--------------------|-----------------|
| <u>1962</u> | | | | | |
| Mar. 21 | SSG | J6 | F | 33.7 | B |
| 21 | SSG | J6 | F | 30.7 | B |
| 21 | SSG | J6 | F | 31.4 | B |
| 21 | SSG | J6 | M | 22.9 | B |
| 22 | SSG | J6 | M | 25.0 | B |
| 23 | SSG | J6 | M | 25.4 | B |
| 27 | SSG | J6 | M | 31.5 | B |
| 27 | SSG | J6 | F | 30.2 | V |
| 27 | SSG | J6 | F | 33.1 | B |
| 27 | SSG | J6 | F | 30.0 | B |
| 27 | SSG | J6 | M | 30.0 | B |
| 27 | SSG | J6 | M | 27.2 | B |
| 27 | SSG | J6 | M | 26.1 | B |
| 27 | SSG | J6 | M | 20.8 | B |
| 27 | SSG | J7 | M | 32.2 | B |
| 27 | SSG | J6 | M | 28.3 | B |
| 27 | SSG | J6 | F | 29.9 | B |
| 27 | SSG | J6 | F | 44.6 | B |
| 27 | SSG | J6 | M | 24.6 | B |
| 27 | SSG | J6 | F | 33.5 | B |
| 27 | SSG | J6 | F | 32.5 | B |
| 27 | SSG | J6 | F | 31.4 | B |
| 27 | SSG | J6 | F | 29.8 | B |
| 27 | SSG | J6 | M | 31.8 | B |
| 27 | SSG | J6 | F | 29.4 | B |
| 27 | SSG | J6 | M | 23.8 | B |
| 28 | SSG | J6 | F | 37.6 | B |
| 28 | SSG | J6 | M | 27.5 | B |
| 29 | SSG | J6 | F | 36.2 | B |
| 29 | SSG | J6 | F | 34.4 | B |
| 29 | SSG | J6 | M | 26.9 | B |
| 29 | SSG | J6 | M | 27.2 | B |
| 29 | SSG | J6 | M | 25.1 | B |
| 29 | SSG | J6 | F | 29.2 | B |
| 29 | SSG | J6 | F | 41.2 | B |
| 29 | SSG | J6 | F | 37.1 | B |
| 29 | SSG | J6 | M | 30.0 | B |
| 29 | SSG | J6 | M | 32.2 | B |
| 29 | SSG | J6 | M | 25.8 | B |

Appendix Table 1.--Continued

Release site: No. 13 - Sanibel grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|-----|--------------------|-----------------|
| 1962 | | | | | |
| Mar. 29 | SSG | J6 | F | 43.2 | B |
| 29 | SSG | J6 | F | 31.7 | B |
| 29 | SSG | J6 | F | 39.3 | B |
| 29 | SSG | J6 | M | 29.9 | B |
| 29 | SSG | J6 | F | 33.5 | B |
| 29 | SSG | J6 | M | 24.3 | B |
| 29 | SSG | J6 | F | 33.6 | B |
| 29 | SSG | J6 | M | 23.1 | B |
| 29 | SSG | J6 | F | 35.5 | B |
| 29 | SSG | J6 | F | 31.8 | B |
| 29 | SSG | J6 | F | 32.9 | B |
| 29 | SSG | J6 | F | 37.4 | B |
| 29 | SSG | J6 | F | 36.4 | B |
| 29 | SSG | J6 | F | 28.2 | B |
| 29 | SSG | J6 | F | 24.8 | B |
| 29 | SSG | J6 | M | 30.6 | B |
| 29 | SSG | J6 | F | 36.3 | B |
| 29 | SSG | J6 | M | 27.6 | B |
| 29 | SSG | J6 | M | 30.0 | B |
| 29 | SSG | J6 | F | 42.1 | B |
| 29 | SSG | J6 | M | 28.9 | B |
| 29 | SSG | J6 | M | 24.8 | B |
| 29 | SSG | J6 | F | 32.9 | B |
| 29 | SSG | J6 | F | 33.7 | B |
| 29 | SSG | J6 | F | 35.2 | B |
| 29 | SSG | J6 | F | 29.5 | B |
| 29 | SSG | J6 | F | 31.5 | B |
| 29 | SSG | J6 | F | 28.0 | B |
| 29 | SSG | J6 | F | 27.5 | B |
| 29 | SSG | J6 | M | 24.4 | B |
| 29 | SSG | J6 | M | 31.2 | B |
| 29 | SSG | J6 | F | 40.5 | B |
| 29 | SSG | J6 | M | 32.2 | B |
| 29 | SSG | J6 | F | 29.5 | B |
| 29 | SSG | J6 | M | 30.6 | B |
| 29 | SSG | J6 | M | 25.8 | B |
| 30 | SSG | J6 | F | 47.8 | B |
| 30 | SSG | J6 | F | 34.1 | B |
| 30 | SSG | J6 | M | 27.0 | B |
| 30 | SSG | J6 | M | 41.5 | B |
| 30 | SSG | J6 | M | 26.4 | B |

Appendix Table 1.--Continued

Release site: No. 13 - Sanibel grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|-----|--------------------|-----------------|
| 1962 | | | | | |
| Mar. 30 | SSG | J6 | F | 30.2 | B |
| 30 | SSG | J6 | M | 25.1 | B |
| 30 | SSG | J6 | M | 33.6 | B |
| 30 | SSG | J6 | F | 29.5 | B |
| 30 | SSG | J6 | M | 32.5 | B |
| 30 | SSG | J6 | M | 31.7 | B |
| 30 | SSG | J6 | F | 22.5 | B |
| 30 | SSG | J6 | F | 38.5 | B |
| 30 | SSG | J6 | F | 40.2 | B |
| 30 | SSG | J6 | M | 25.4 | B |
| 30 | SSG | J6 | F | 32.7 | B |
| 30 | SSG | J6 | M | 30.2 | B |
| 30 | SSG | J6 | F | 33.4 | B |
| 30 | SSG | J6 | M | 26.3 | B |
| 30 | SSG | I6 | M | 23.3 | B |
| 31 | SSG | I6 | F | 28.7 | B |
| 31 | SSG | J6 | M | 37.1 | B |
| 31 | SSG | J6 | M | 34.4 | B |
| 31 | SSG | J6 | F | 31.1 | B |
| 31 | SSG | J6 | M | 23.6 | B |
| 31 | SSG | J6 | M | 20.8 | B |
| Apr. 1 | SSG | J6 | F | 43.5 | B |
| 1 | SSG | J6 | M | 27.1 | B |
| 1 | SSG | J6 | F | 28.5 | B |
| 1 | SSG | J6 | M | 26.2 | B |
| 1 | SSG | J6 | M | 25.2 | B |
| 1 | SSG | J6 | F | 41.5 | B |
| 1 | SSG | J6 | F | 43.4 | B |
| 1 | SSG | J6 | F | 40.2 | B |
| 1 | SSG | J6 | F | 33.0 | B |
| 1 | SSG | J6 | M | 26.7 | B |
| 1 | SSG | J6 | F | 32.6 | B |
| 1 | SSG | J6 | F | 32.1 | B |
| 1 | SSG | J6 | F | 33.2 | B |
| 1 | SSG | J6 | F | 33.8 | B |
| 1 | SSG | J6 | M | 31.6 | B |
| 1 | SSG | J6 | M | 30.1 | B |
| 1 | SSG | J6 | F | 29.0 | B |
| 1 | SSG | J6 | F | 24.4 | B |
| 1 | SSG | J6 | F | 45.4 | B |
| 1 | SSG | J6 | F | 39.4 | B |

Appendix Table 1.--Continued

Release site: No. 13 - Sanibel grounds--Continued

36

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by | |
|------|---|-------------------------|---------|-----|--------------------|-----------------|---|
| 1962 | | | Fathoms | | mm. | | |
| Apr. | 1 | SSG | J6 | 6-7 | M | 30.7 | B |
| | 1 | SSG | J6 | 6-7 | F | 33.4 | B |
| | 1 | SSG | J6 | 6-7 | M | 28.1 | B |
| | 1 | SSG | J6 | 6-7 | F | 35.9 | B |
| | 1 | SSG | J6 | 6-7 | M | 27.3 | B |
| | 1 | SSG | J6 | 6-7 | F | 44.1 | B |
| | 1 | SSG | J6 | 6-7 | M | 31.4 | B |
| | 1 | SSG | J6 | 6-7 | M | 21.9 | B |
| | 1 | SSG | J6 | 6-7 | M | 23.7 | B |
| | 1 | SSG | J6 | 6-7 | M | 24.6 | B |
| | 1 | SSG | J6 | 6-7 | M | 24.2 | B |
| | 1 | SSG | J6 | 6 | M | 32.8 | B |
| | 1 | SSG | J6 | 6 | F | 34.8 | B |
| | 1 | SSG | J6 | 6 | M | 25.1 | B |
| | 5 | SSG | I6 | 9 | F | 29.0 | B |
| | 6 | SSG | J6 | 6 | M | 30.9 | B |
| | 6 | SSG | J6 | 6 | M | 27.0 | B |
| | 6 | SSG | J6 | 7 | F | 26.6 | B |
| | 6 | SSG | J6 | 7 | M | 25.5 | B |
| | 6 | SSG | J6 | 7 | F | 28.5 | B |
| | 6 | SSG | J6 | 7 | - | 34.8 | B |
| | 7 | SSG | J6 | 7 | M | 31.4 | B |
| | 7 | SSG | J6 | 7 | M | 28.4 | B |
| | 7 | SSG | J6 | 7 | M | 26.4 | B |
| | 8 | SSG | J6 | 8 | F | 32.0 | B |
| | 8 | SSG | J6 | 7 | F | 39.7 | B |
| | 8 | SSG | J6 | 7 | F | 42.5 | B |
| | 8 | SSG | J6 | 7 | F | 34.1 | B |
| | 8 | SSG | J6 | 7 | M | 26.9 | B |
| | 8 | SSG | J6 | 7 | M | 31.1 | B |
| | 8 | SSG | J6 | 7 | M | 27.8 | B |
| | 8 | SSG | J6 | 7 | M | 32.3 | B |
| | 8 | SSG | J6 | 7 | F | 38.4 | B |
| | 8 | SSG | J6 | 7 | M | 25.6 | B |
| | 8 | SSG | J6 | 7 | M | 33.6 | B |
| | 8 | SSG | J6 | 7 | F | 34.5 | B |
| | 8 | SSG | J6 | 7 | F | 28.7 | B |
| | 8 | SSG | J6 | 7 | M | 32.8 | B |
| | 8 | SSG | J6 | 7 | M | 32.9 | B |
| | 8 | SSG | J6 | 7 | F | 33.7 | B |
| | 8 | SSG | J6 | 7 | F | 30.8 | B |

Appendix Table 1.--Continued

Release site: No. 13 - Sanibel grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|-----|--------------------|-----------------|
| 1962 | | | | | |
| Apr. 8 | SSG | J6 | F | 29.3 | B |
| 8 | SSG | J6 | F | 30.1 | B |
| 8 | SSG | J6 | M | 33.2 | B |
| 8 | SSG | J6 | M | 26.9 | B |
| 8 | SSG | J6 | M | 29.5 | B |
| 8 | SSG | J6 | M | 30.7 | B |
| 8 | SSG | J6 | M | 24.7 | B |
| 8 | SSG | J7 | M | 29.3 | B |
| 8 | SSG | J7 | F | 38.9 | B |
| 8 | SSG | J7 | F | 31.7 | B |
| 8 | SSG | J7 | F | 35.5 | B |
| 8 | SSG | J7 | F | 41.0 | B |
| 8 | SSG | J7 | M | 26.8 | B |
| 8 | SSG | J7 | M | 32.2 | B |
| 8 | SSG | J7 | M | 29.4 | B |
| 8 | SSG | J7 | M | 24.1 | B |
| 8 | SSG | J7 | M | 26.9 | B |
| 8 | SSG | J7 | F | 34.2 est. | B |
| 8 | SSG | J7 | F | 24.7 | B |
| 8 | SSG | J7 | - | 28.0 | B |
| 9 | SSG | J6 | F | 37.3 | B |
| 9 | SSG | J6 | M | 29.8 | B |
| 9 | SSG | J6 | M | 33.7 | B |
| 9 | SSG | J6 | F | 40.5 | B |
| 9 | SSG | J6 | M | 29.4 | B |
| 9 | SSG | J6 | M | 25.5 | B |
| 9 | SSG | J6 | F | 34.1 est. | B |
| 9 | SSG | J6 | M | 34.1 | B |
| 9 | SSG | J6 | F | 38.9 | B |
| 9 | SSG | J6 | F | 33.5 | B |
| 9 | SSG | J6 | F | 31.1 | B |
| 9 | SSG | J6 | M | 26.8 | B |
| 9 | SSG | J6 | F | 28.1 | B |
| 9 | SSG | J6 | F | 47.1 | B |
| 9 | SSG | J6 | F | 27.5 | B |
| 9 | SSG | J6 | M | 22.9 | B |
| 9 | SSG | J6 | M | 26.9 | B |
| 9 | SSG | J6 | F | 35.7 | B |
| 9 | SSG | J6 | F | 31.3 | B |
| 9 | SSG | J6 | F | 36.5 | B |
| 9 | SSG | J6 | M | 27.5 | B |

Appendix Table 1.--Continued

Release site: No. 13 - Sanibel grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-----|-------------------------|-------|-----|--------------------|-----------------|
| <u>1962</u> | | | | | | |
| Apr. | 9 | SSG | J6 | | <u>Fathoms</u> | <u>mm.</u> |
| | 9 | SSG | J6 | 7 | M | 25.1 |
| | 9 | SSG | J7 | 7 | M | 28.2 |
| | 9 | SSG | J7 | 7 | F | 31.5 |
| | 9 | SSG | J7 | 7 | F | 28.2 |
| | 9 | SSG | J7 | 7 | F | 38.4 est. |
| | 9 | SSG | J7 | 7 | M | 25.9 |
| | 9 | SSG | J7 | 7 | F | 30.3 |
| | 9 | SSG | J7 | 7 | M | 30.1 |
| | 9 | SSG | J7 | 7 | F | 43.0 |
| | 9 | SSG | J7 | 7 | F | 36.1 |
| | 9 | SSG | J7 | 7 | M | 27.1 |
| | 9 | SSG | J7 | 7 | M | 26.8 |
| | 9 | SSG | J7 | 7 | M | 28.1 |
| | 9 | SSG | J7 | 7 | M | 29.7 |
| | 9 | SSG | J6 | 6 | F | 35.1 |
| | 9 | SSG | J6 | 6 | M | 32.1 |
| | 9 | SSG | J6 | 6 | M | 24.0 est. |
| | 9 | SSG | J6 | 7 | M | 28.5 |
| | 9 | SSG | J6 | 7 | F | 38.1 |
| | 9 | SSG | J6 | 7 | F | 35.5 |
| | 9 | SSG | J6 | 7 | M | 33.2 est. |
| 10 | SSG | J6 | 7 | F | 35.5 | B |
| 10 | SSG | J6 | 7 | M | 23.2 | B |
| 10 | SSG | J6 | 7 | F | 39.4 | B |
| 10 | SSG | J6 | 7 | M | 31.5 | B |
| 10 | SSG | J6 | 7 | M | 23.9 | B |
| 10 | SSG | J6 | 7 | F | 33.7 | B |
| 10 | SSG | J6 | 7 | F | 31.1 | B |
| 10 | SSG | J6 | 7 | M | 31.8 | B |
| 10 | SSG | J6 | 7 | M | 30.8 | B |
| 10 | SSG | J6 | 7 | M | 28.2 | B |
| 10 | SSG | J6 | 6 | M | 25.9 | B |
| 10 | SSG | J6 | 7 | F | 43.0 | B |
| 10 | SSG | J6 | 7 | F | 32.1 | B |
| 10 | SSG | J6 | 7 | F | 30.5 | B |
| 10 | SSG | J6 | 7 | M | 29.4 | B |
| 10 | SSG | J6 | 7 | F | 31.3 | B |
| 11 | SSG | I6 | 10 | M | 26.1 | B |
| 11 | SSG | I6 | 10 | M | 26.8 | B |
| 11 | SSG | I6 | 10 | F | 29.4 | B |
| 11 | SSG | I6 | 10 | F | 41.5 | B |

Appendix Table 1.--Continued

Release site: No. 13 - Sanibel grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|-----|--------------------|-----------------|
| <u>1962</u> | | | | | |
| Apr. 11 | SSG I6 | 10 | F | 44.4 | B |
| 11 | SSG I6 | 10 | M | 27.3 | B |
| 11 | SSG J6 | 7 | F | 40.3 | B |
| 11 | SSG J6 | 7 | M | 30.0 | B |
| 11 | SSG J6 | 7 | M | 28.4 | B |
| 11 | SSG J6 | 7 | F | 41.6 | B |
| 11 | SSG J6 | 7 | M | 25.2 | B |
| 11 | SSG J6 | 7 | M | 30.9 | B |
| 11 | SSG J6 | 7 | F | 33.5 | B |
| 11 | SSG J6 | 7 | F | 39.8 | B |
| 11 | SSG J6 | 7 | F | 35.0 | B |
| 11 | SSG J6 | 7 | F | 37.5 | B |
| 11 | SSG I6 | 7 | F | 32.0 | B |
| 11 | SSG I6 | 7 | M | 32.1 | B |
| 11 | SSG I6 | 7 | M | 26.0 | B |
| 11 | SSG I6 | 7 | M | 29.1 | B |
| 11 | SSG I6 | 7 | F | 34.6 | B |
| 11 | SSG I6 | 7 | M | 26.7 | B |
| 11 | SSG I6 | 7 | M | 24.2 | B |
| 11 | SSG I6 | 7 | F | 41.7 | B |
| 11 | SSG I6 | 7 | F | 34.2 | B |
| 11 | SSG I6 | 7 | F | 32.9 | B |
| 11 | SSG I6 | 7 | F | 29.8 | B |
| 11 | SSG I6 | 7 | F | 29.4 | B |
| 12 | SSG J6 | 7 | F | 42.3 | B |
| 12 | SSG J6 | 7 | F | 40.2 | B |
| 12 | SSG J6 | 7 | F | 30.0 | B |
| 12 | SSG J6 | 7 | F | 42.3 | B |
| 12 | SSG J6 | 7 | F | 41.7 | B |
| 12 | SSG J6 | 7 | M | 28.4 | B |
| 12 | SSG J6 | 7 | M | 29.9 | B |
| 12 | SSG J6 | 7 | F | 40.1 | B |
| 12 | SSG J6 | 7 | M | 28.2 | B |
| 12 | SSG J6 | 7 | F | 33.7 | B |
| 12 | SSG J6 | 7 | M | 26.8 | B |
| 12 | SSG J6 | 7 | M | 28.4 | B |
| 12 | SSG J6 | 7 | M | 27.9 | B |
| 12 | SSG I6 | 10 | F | 31.5 | B |
| 12 | SSG I6 | 10 | M | 35.2 | B |
| 12 | SSG I6 | 10 | M | 27.9 | B |
| 12 | SSG I6 | 10 | F | 38.0 | B |

Appendix Table 1.--Continued

Release site: No. 13 - Sanibel grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|-----|--------------------|-----------------|
| <u>1962</u> | | | | | |
| Apr. 12 | SSG I6 | 10 | F | 45.5 | B |
| 12 | SSG I6 | 10 | F | 32.0 | B |
| 12 | SSG I6 | 10 | M | 32.1 | B |
| 12 | SSG J6 | 7 | M | 24.0 est. | B |
| 12 | SSG I6 | 10 | M | 31.0 | B |
| 12 | SSG I6 | 10 | F | 33.7 | B |
| 12 | SSG J6 | 7 | F | 33.9 | B |
| 12 | SSG J6 | 7 | F | 27.3 | B |
| 12 | SSG J6 | 7 | M | 26.2 | B |
| 12 | SSG J6 | 7 | F | 32.0 | B |
| 12 | SSG J6 | 7 | M | 29.6 | B |
| 14 | SSG J6 | 7 | F | 44.9 | B |
| 14 | SSG J6 | 7 | F | 37.0 | B |
| 15 | SSG J6 | 7 | F | 37.9 | B |
| 15 | SSG J6 | 6 | M | 34.6 | B |
| 18 | SSG J6 | 7 | F | 43.2 | B |
| 18 | SSG J6 | 5 | F | 41.4 | B |
| 18 | SSG J6 | 5 | M | 29.6 est. | B |
| 24 | SSG J6 | 7 | M | 33.5 | B |
| 24 | SSG J6 | 7 | M | 26.2 | B |
| 24 | SSG J6 | 7 | M | 27.1 | B |
| 24 | SSG J6 | 6 | F | 31.0 | B |
| 24 | SSG J6 | 6 | M | 33.2 | B |
| 25 | SSG J6 | 6 | M | 36.6 | B |
| 25 | SSG J6 | 6 | F | 30.6 | B |
| 25 | SSG J6 | 7 | F | 33.5 | B |
| 25 | SSG J6 | 7 | F | 40.2 | B |
| 25 | SSG J6 | 7 | M | 27.5 | B |
| 25 | SSG J6 | 7 | M | 25.7 | B |
| 25 | SSG J6 | 7 | M | 27.2 | B |
| 25 | SSG J7 | 7 | F | 41.4 | B |
| 25 | SSG J7 | 7 | F | 40.9 | B |
| 25 | SSG J7 | 7 | M | 27.2 | B |
| 25 | SSG J7 | 6 | F | 39.3 | B |
| 25 | SSG J7 | 6 | M | 29.2 | B |
| 25 | SSG J6 | 7 | F | 30.6 | B |
| 25 | SSG J6 | 7 | M | 31.2 | B |
| 26 | SSG J6 | 7 | F | 32.1 | B |
| 26 | SSG J6 | 7 | F | 36.0 | B |
| 26 | SSG J6 | 7 | M | 28.7 | B |
| 26 | SSG J6 | 7 | M | 28.8 | B |

Appendix Table 1.--Continued

Release site: No. 13 - Sanibel grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|-----|--------------------|-----------------|
| <u>1962</u> | | | | | |
| Apr. 26 | SSG J6 | 7 | M | 30.6 | B |
| 26 | SSG J6 | 7 | F | 33.7 | B |
| 26 | SSG J6 | 7 | F | 30.9 | B |
| 26 | SSG J6 | 7 | F | 36.4 | B |
| 26 | SSG J6 | 7 | F | 41.5 | B |
| 26 | SSG J6 | 7 | F | 26.6 | B |
| 26 | SSG J6 | 7 | M | 28.7 | B |
| 26 | SSG J6 | 7 | F | 34.9 | B |
| 26 | SSG J6 | 7 | M | 28.0 | B |
| 26 | SSG J6 | 7 | M | 29.6 | B |
| 26 | SSG J7 | 7 | M | 30.1 | B |
| 26 | SSG J7 | 7 | F | 36.2 | B |
| 26 | SSG J7 | 9 | M | 31.1 | B |
| 26 | SSG J6 | 7 | F | 33.2 | B |
| 26 | SSG J6 | 7 | M | 27.6 | B |
| 26 | SSG J6 | 7 | M | 32.3 | B |
| 26 | SSG J6 | 7 | M | 29.6 | B |
| 27 | SSG J6 | 7 | F | 43.2 | B |
| 27 | SSG J6 | 7 | F | 41.1 | B |
| 27 | SSG J6 | 7 | F | 39.0 | B |
| 27 | SSG J6 | 7 | F | 35.8 | B |
| 27 | SSG J6 | 7 | F | 29.5 | B |
| 28 | SSG J6 | 7 | F | 40.2 est. | B |
| 28 | SSG J6 | 7 | F | 38.4 | B |
| 28 | SSG J6 | 7 | M | 27.6 | B |
| 28 | SSG J6 | 7 | M | 29.2 | B |
| 28 | SSG J6 | 7 | F | 34.9 | B |
| 28 | SSG J6 | 7 | F | 38.5 | B |
| 28 | SSG I7 | 10 | M | 32.1 | B |
| 29 | SSG J6 | 8 | F | 36.0 | B |
| 29 | SSG J6 | 7 | F | 37.3 | B |
| 30 | SSG J6 | 7 | F | 39.5 | B |
| 30 | SSG J6 | 7 | M | 38.0 | B |
| 30 | SSG J6 | 7 | M | 30.4 | B |
| 30 | SSG J6 | 6 | M | 28.6 | B |
| 30 | SSG J6 | 6 | F | 37.5 | B |
| May 1 | SSG J7 | 7 | F | 44.7 | B |
| 1 | SSG J7 | 7 | M | 31.4 | B |
| 1 | SSG J7 | 7 | F | 32.8 | B |
| 1 | SSG J6 | 7 | M | 31.2 | B |
| 2 | SSG J6 | 8 | F | 45.8 | B |

Appendix Table 1.--Continued

Release site: No. 13 - Sanibel grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|-----|--------------------|-----------------|
| 1962 | | | | | |
| May 2 | SSG | J6 | F | 33.2 | B |
| 2 | SSG | K6 | F | 38.7 | B |
| 2 | SSG | J6 | F | 33.9 | B |
| 3 | SSG | J6 | F | 45.8 | B |
| 3 | SSG | J6 | F | 42.2 | B |
| 3 | SSG | J6 | M | 27.9 | B |
| 4 | SSG | J6 | M | 33.4 | B |
| 4 | SSG | J6 | M | 27.8 | B |
| 4 | SSG | J6 | M | 28.5 | B |
| 4 | SSG | J6 | F | 38.0 | B |
| 5 | SSG | J6 | F | 34.4 | B |
| 5 | SSG | J6 | F | 39.7 | B |
| 5 | SSG | J6 | M | 27.3 | B |
| 5 | SSG | J6 | M | 34.1 | B |
| 5 | SSG | J6 | F | 36.0 | B |
| 5 | SSG | J6 | F | 33.2 | B |
| 5 | SSG | J6 | F | 44.5 | B |
| 5 | SSG | J6 | F | 28.3 | B |
| 5 | SSG | J6 | M | 24.7 | B |
| 5 | SSG | J6 | F | 43.3 | B |
| 5 | SSG | J6 | F | 35.1 | B |
| 5 | SSG | J6 | F | 31.4 | B |
| 5 | SSG | J6 | M | 35.5 | B |
| 6 | SSG | J6 | F | 37.2 | B |
| 6 | SSG | J6 | M | 27.9 | B |
| 6 | SSG | J6 | M | 26.3 | B |
| 6 | SSG | J6 | M | 26.0 | B |
| 6 | SSG | J6 | M | 34.5 | B |
| 6 | SSG | J6 | F | 32.8 | B |
| 6 | SSG | J6 | F | 34.0 | B |
| 6 | SSG | J6 | F | 31.1 | B |
| 6 | SSG | I6 | F | 37.4 | B |
| 7 | SSG | J6 | F | 44.5 | B |
| 7 | SSG | J6 | F | 34.2 | B |
| 7 | SSG | J6 | M | 29.5 | B |
| 7 | SSG | J6 | M | 28.7 | B |
| 7 | SSG | J6 | M | 32.3 | B |
| 7 | SSG | J6 | F | 31.1 | B |
| 7 | SSG | J6 | M | 30.9 | B |
| 7 | SSG | J6 | M | 27.9 | B |
| 7 | SSG | I6 | F | 42.7 | B |

Appendix Table 1.--Continued

Release site: No. 13 - Sanibel grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|-----|--------------------|-----------------|
| 1962 | | | | | |
| May 7 | SSG | I7 | F | 40.4 | B |
| 8 | SSG | I6 | M | 35.3 | B |
| 8 | SSG | J6 | M | 34.4 | B |
| 8 | SSG | J6 | M | 27.9 | B |
| 8 | SSG | J6 | M | 25.6 | B |
| 8 | SSG | J6 | M | 31.8 | B |
| 9 | SSG | J6 | M | 31.0 | B |
| 9 | SSG | I6 | M | 29.8 | B |
| 9 | SSG | J6 | F | 39.9 | B |
| 9 | SSG | J6 | F | 35.5 | B |
| 9 | SSG | J6 | M | 29.7 | B |
| 10 | SSG | J6 | M | 29.2 | B |
| 10 | SSG | J6 | F | 38.1 | B |
| 10 | SSG | J6 | M | 27.1 | B |
| 10 | SSG | J6 | F | 31.9 | B |
| 10 | SSG | J6 | - | 34.6 | B |
| 10 | SSG | J6 | M | 26.1 | B |
| 10 | SSG | J6 | F | 43.7 | B |
| 10 | SSG | J6 | F | 38.6 | B |
| 10 | SSG | J6 | M | 30.5 | B |
| 10 | SSG | J6 | M | 28.5 | B |
| 10 | SSG | J6 | M | 26.4 | B |
| 11 | SSG | J6 | F | 44.5 | B |
| 11 | SSG | J6 | F | 43.6 | B |
| 11 | SSG | J6 | M | 28.7 | B |
| 11 | SSG | J6 | F | 36.4 | B |
| 11 | SSG | J6 | F | 35.6 | B |
| 11 | SSG | I6 | F | 34.6 | B |
| 12 | SSG | J6 | F | 32.8 | B |
| 12 | SSG | J6 | M | 26.7 | B |
| 12 | SSG | J6 | F | 40.5 | B |
| 12 | SSG | J6 | F | 40.2 | B |
| 13 | SSG | J6 | F | 37.8 | B |
| 13 | SSG | J6 | F | 42.6 | B |
| 13 | SSG | J6 | M | 27.4 | B |
| 13 | SSG | J6 | F | 44.4 | B |
| 13 | SSG | J6 | F | 40.6 | B |
| 13 | SSG | J6 | F | 44.5 | B |
| 14 | SSG | J6 | F | 40.6 | B |
| 14 | SSG | J6 | F | 43.6 | B |
| 14 | SSG | J6 | F | 45.6 | B |

Appendix Table 1.--Continued

Release site: No. 13 - Sanibel grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|---------|--------------------|-----------------|
| <u>1962</u> | | | | | |
| May 21 | SSG | I6 | | | |
| | | | Fathoms | mm. | |
| 22 | SSG | J6 | 7 | M | 39.2 |
| 22 | SSG | J6 | 6 | M | 38.2 |
| 22 | SSG | J6 | 6 | M | 29.7 |
| 22 | SSG | J6 | 6 | F | 44.0 |
| 22 | SSG | J7 | 9 | F | 38.4 |
| 22 | SSG | J7 | 9 | F | 32.3 |
| 22 | SSG | J7 | 9 | F | 39.3 |
| 22 | SSG | J6 | 7 | M | 33.0 |
| 22 | SSG | J6 | 7 | F | 40.5 |
| 22 | SSG | J6 | 7 | F | 35.1 |
| 22 | SSG | J6 | 7 | F | 43.2 |
| 22 | SSG | J6 | 7 | M | 31.5 |
| 22 | SSG | J6 | 7 | F | 45.3 |
| 22 | SSG | J6 | 7 | M | 35.5 |
| 22 | SSG | J6 | 7 | M | 28.2 |
| 22 | SSG | J6 | 7 | F | 42.3 |
| 22 | SSG | J6 | 7 | M | 29.4 |
| 23 | SSG | J6 | 7 | F | 42.2 |
| 23 | SSG | J6 | 7 | F | 40.8 |
| 23 | SSG | J6 | 7 | M | 35.2 |
| 23 | SSG | I6 | 9 | M | 31.5 |
| 23 | SSG | J7 | 9 | M | 32.6 |
| 23 | SSG | J7 | 9 | M | 29.0 |
| 23 | SSG | J6 | 6 | F | 31.6 |
| 23 | SSG | J6 | 6 | F | 39.2 |
| 23 | SSG | J6 | 6 | F | 42.4 |
| 23 | SSG | J6 | 5 | F | 42.5 |
| 23 | SSG | J6 | 5 | M | 29.2 |
| 23 | SSG | I6 | 8 | M | 30.3 |
| 23 | SSG | I6 | 8 | M | 27.7 |
| 23 | SSG | I6 | 8-9 | F | 30.5 |
| 23 | SSG | I6 | 8-9 | M | 32.8 |
| 24 | SSG | I6 | 8-9 | M | 29.2 |
| 24 | SSG | I6 | 6 | M | 29.1 |
| 24 | SSG | J6 | 7 | F | 40.6 |
| 25 | SSG | I6 | 8-9 | M | 29.5 |
| 25 | SSG | J7 | 6 | F | 38.0 |
| 25 | SSG | I6 | 9 | F | 43.3 |
| 26 | SSG | J6 | 7 | M | 30.7 |
| 26 | SSG | J6 | 7 | M | 28.1 |
| 27 | SSG | J6 | 6 | F | 37.6 |

Appendix Table 1.--Continued

Release site: No. 13 - Sanibel grounds--Continued

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| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|-----|--------------------|-----------------|
| <u>1962</u> | | | | | |
| May 27 | SSG | J6 | F | 40.1 | B |
| 27 | SSG | J6 | M | 29.9 | B |
| 27 | SSG | J6 | F | 34.4 | B |
| 27 | SSG | J6 | F | 37.4 | B |
| 27 | SSG | J6 | F | 38.4 | B |
| 27 | SSG | J6 | F | 46.7 | B |
| 27 | SSG | J6 | F | 34.8 | B |
| 27 | SSG | J6 | F | 44.3 | B |
| 27 | SSG | J6 | M | 29.4 | B |
| 27 | SSG | J6 | M | 32.6 | B |
| 27 | SSG | J6 | F | 36.3 | B |
| 27 | SSG | J6 | F | 38.1 | B |
| 27 | SSG | J6 | F | 36.4 | B |
| 28 | SSG | J6 | M | 29.6 | B |
| 28 | SSG | J6 | M | 29.3 | B |
| 28 | SSG | J6 | M | 25.4 | B |
| 28 | SSG | J6 | F | 45.6 | B |
| 29 | SSG | J6 | F | 40.0 | B |
| 29 | SSG | J6 | M | 29.6 | B |
| 29 | SSG | J6 | M | 30.7 | B |
| 29 | SSG | J7 | M | 31.8 | B |
| 29 | SSG | J6 | F | 42.6 | B |
| 29 | SSG | J6 | M | 31.1 | B |
| 29 | SSG | J6 | M | 32.7 | B |
| 29 | SSG | J6 | F | 43.5 | B |
| 30 | SSG | J6 | M | 35.6 | B |
| 30 | SSG | J6 | M | 29.1 | B |
| 30 | SSG | J6 | M | 30.1 | B |
| 30 | SSG | J6 | F | 36.4 | B |
| 30 | SSG | J6 | F | 35.5 | B |
| 30 | SSG | J7 | F | 43.9 | B |
| 30 | SSG | J6 | F | 36.2 | B |
| 30 | SSG | J6 | F | 38.1 | B |
| 30 | SSG | J6 | M | - | B |
| 31 | SSG | J6 | F | 39.6 | B |
| 31 | SSG | J6 | F | 44.1 | B |
| June 1 | SSG | J6 | M | - | B |
| 1 | SSG | J6 | M | 30.7 | B |
| 1 | SSG | J6 | M | 31.0 | B |
| 3 | SSG | J6 | F | 35.5 | B |
| 3 | SSG | J6 | M | 34.8 | B |

Appendix Table 1.--Continued

Release site: No. 13 - Sanibel grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|----|-------------------------|-------|-----|--------------------|-----------------|
| 1962 | | | | | | |
| June | 3 | SSG | J6 | 6 | M | 29.6 |
| | 3 | SSG | J6 | 6 | F | 44.1 |
| | 4 | SSG | J6 | 7 | F | 43.6 |
| | 4 | SSG | J6 | 7 | F | 38.5 |
| | 4 | SSG | J6 | 7 | F | 37.8 |
| | 4 | SSG | J6 | 6 | M | 30.3 |
| | 4 | SSG | J6 | 6 | F | 42.0 |
| | 4 | SSG | J6 | 6 | F | 36.1 |
| | 4 | SSG | J6 | 6 | M | 29.9 |
| | 5 | SSG | J6 | 6 | F | 42.6 |
| | 7 | SSG | J7 | 9 | M | 31.5 |
| | 7 | SSG | J6 | 7 | M | 31.6 |
| | 7 | SSG | J6 | 5 | F | 43.3 |
| | 10 | SSG | J6 | 7 | M | 40.5 |
| | 10 | SSG | J6 | 7 | M | - |
| | 29 | SSG | J6 | 7 | F | 41.2 |
| July | 1 | SSG | J6 | 6 | M | 26.8 |
| | 1 | SSG | J6 | 7 | M | 29.7 |
| | 6 | SSG | J6 | 7 | M | 37.8 |
| | 11 | SSG | J6 | 7 | F | 39.4 |
| | 13 | SSG | J7 | 8 | F | 40.3 |
| | 15 | TG | G13 | 18 | F | 42.1 |
| | 15 | TG | G14 | 17 | M | 33.2 |
| | 21 | SSG | J6 | 6 | F | 43.2 |
| | 26 | SSG | J7 | 7 | M | 34.6 |
| | 30 | SSG | J6 | 7 | M | 35.8 |
| Aug. | 5 | SSG | J6 | 7 | - | 36.6 |
| | 9 | SSG | J6 | 7 | F | 40.0 |
| | 12 | SSG | J7 | 6 | F | 37.0 |
| | 13 | SSG | J6 | 7 | M | 32.8 |
| | 15 | SSG | J6 | 7 | M | 33.5 |
| | 30 | SSG | J7 | 9 | F | 41.8 |

Appendix Table 1.--Continued

Release site : No. 14 - Indian Key
 Date of release : Aug. 27 - Sep. 5, 1962
 Number released : 19,860
 Number recovered: 42

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|----|-------------------------|-------|-----|--------------------|-----------------|
| 1962 | | | | | | |
| Sep. | 7 | IK | M9 | F | 21.1 | B |
| | 9 | IK | M9 | F | 16.5 | B |
| | 9 | IK | M9 | F | 27.0 | B |
| | 13 | IK | M9 | F | 17.7 | B |
| | 16 | IK | M9 | M | 20.8 | B |
| | 16 | IK | M9 | F | 17.2 | B |
| | 16 | IK | M9 | F | 24.6 | B |
| | 17 | IK | M9 | F | 21.4 | B |
| | 18 | IK | M9 | F | 23.7 | B |
| | 19 | IK | M9 | F | 20.9 | B |
| | 19 | IK | M9 | F | 24.7 | B |
| Oct. | 10 | TG | G14 | M | 25.1 est. | B |
| | 23 | SSG | J7 | M | 25.1 | B |
| Nov. | 15 | TG | H14 | F | 28.3 | B |
| | 28 | NSG | I3 | F | 32.4 | B |
| Dec. | 2 | SSG | I6 | M | 31.4 | B |
| | 14 | SSG | J6 | M | 27.3 | B |
| | 18 | SSG | J6 | F | 40.6 | B |
| | 18 | SSG | J7 | F | 36.4 | B |
| | 19 | SSG | I6 | M | 32.7 | B |
| 1963 | | | | | | |
| Jan. | 14 | TG | H12 | M | 31.2 | B |
| | 18 | SSG | J7 | M | 31.6 | B |
| | 18 | TG | E15 | F | 41.8 | B |
| | 26 | TG | J13 | F | 39.6 | B |
| | 26 | TG | H13 | M | 32.7 | B |
| | 29 | SSG | J6 | M | 29.6 | B |
| Feb. | 1 | SSG | J7 | M | 30.7 | B |
| | 1 | TG | I14 | M | 32.0 | B |
| | 2 | SSG | J7 | F | 29.6 | B |
| | 5 | SSG | J6 | M | 28.5 est. | B |
| | 11 | SSG | J6 | F | 42.1 | B |
| | 12 | SSG | J6 | M | 34.5 | B |
| | 15 | SSG | I6 | M | 33.1 | B |
| | 23 | SSG | J6 | F | 40.7 | B |
| Mar. | 4 | TG | H13 | F | 38.7 | B |
| | 9 | SSG | I6 | F | 38.5 | B |
| | 18 | SSG | J6 | F | 42.0 | B |
| | 27 | SSG | J7 | F | 41.5 | B |

Appendix Table 1.--Continued

Release site: No. 14 - Indian Key--Continued

| Date | Site (Area and grid) | | Depth | Sex | Carapace length | Recovered by |
|---------|-------------------------|----|---------|-----|--------------------|-----------------|
| 1963 | | | Fathoms | | mm. | |
| Mar. 30 | SSG | I6 | 5 | M | 35.0 | B |
| Apr. 9 | SSG | I7 | 10 | M | 31.5 | B |
| 11 | SSG | J6 | 7 | F | 40.2 | B |
| 17 | SSG | I7 | 10 | M | 34.5 | B |

Release site : No. 15 - Tortugas grounds
 Date of release : Dec. 11-15, 1962
 Number released : 2,350
 Number recovered: 784

| 1962 | | | | | | |
|---------|----|-----|----|---|------|---|
| Dec. 11 | TG | I15 | 13 | M | 25.8 | B |
| 11 | TG | I14 | 13 | M | 25.2 | B |
| 11 | TG | I14 | 12 | M | 27.4 | B |
| 11 | TG | I14 | 12 | F | 28.7 | B |
| 11 | TG | I14 | 12 | F | 30.2 | B |
| 11 | TG | I14 | 13 | M | 25.4 | B |
| 11 | TG | I14 | 13 | F | 26.4 | B |
| 11 | TG | J14 | 13 | M | 29.1 | B |
| 11 | TG | J14 | 13 | M | 26.5 | B |
| 11 | TG | I15 | 14 | M | 26.8 | B |
| 11 | TG | I14 | 16 | M | 25.2 | B |
| 11 | TG | I14 | 16 | M | 29.2 | B |
| 11 | TG | I14 | 13 | M | 27.3 | B |
| 11 | TG | I14 | 13 | M | 26.2 | B |
| 11 | TG | I14 | 13 | F | 29.1 | B |
| 11 | TG | J14 | 12 | F | 27.8 | B |
| 11 | TG | J14 | 12 | M | 29.2 | B |
| 11 | TG | I14 | 14 | M | 27.5 | B |
| 11 | TG | I14 | 15 | M | 25.7 | B |
| 11 | TG | I14 | 13 | F | 27.4 | B |
| 11 | TG | I14 | 13 | F | 25.5 | B |
| 11 | TG | I14 | 13 | F | 28.4 | B |
| 11 | TG | I14 | 14 | M | 26.1 | B |
| 11 | TG | I14 | 14 | M | 28.1 | B |
| 11 | TG | I14 | 14 | F | 30.5 | B |
| 11 | TG | I14 | 13 | M | 26.3 | B |

Appendix Table 1.--Continued

Release site: No. 15 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by | |
|------|----|-------------------------|---------|-------|--------------------|-----------------|---|
| 1962 | | | Fathoms | | mm. | | |
| Dec. | 11 | TG | I14 | 13 | F | 30.7 | B |
| | 11 | TG | I14 | 13 | M | 29.9 | B |
| | 11 | TG | F15 | 15 | M | 27.6 | B |
| | 12 | TG | I15 | 12 | M | 29.5 | B |
| | 13 | TG | I14 | 14 | F | 30.0 | P |
| | 13 | TG | H14 | 12-16 | M | 26.3 | B |
| | 13 | TG | H14 | 12-16 | F | 29.7 | B |
| | 13 | TG | H14 | 12-16 | M | 28.9 | B |
| | 13 | TG | H14 | 12-16 | M | 28.7 | B |
| | 13 | TG | H14 | 12-16 | M | 26.6 | B |
| | 13 | TG | I14 | 13 | F | 29.3 | B |
| | 14 | TG | J15 | 13 | M | 27.8 | B |
| | 14 | TG | I14 | 13 | M | 26.8 | B |
| | 14 | TG | I14 | 13 | M | 27.4 | B |
| | 14 | TG | I14 | 13 | M | 25.8 | B |
| | 14 | TG | I14 | 13 | F | 26.4 | B |
| | 14 | TG | I14 | 13 | F | 28.9 | B |
| | 14 | TG | H15 | 10 | M | 27.7 | B |
| | 14 | TG | H15 | 10 | M | 26.6 | B |
| | 15 | TG | I15 | 13 | F | 29.5 | B |
| | 15 | TG | I15 | 13 | M | 28.9 | B |
| | 15 | TG | J14 | 12 | M | 26.5 | B |
| | 15 | TG | J14 | 12 | M | 28.0 | B |
| | 15 | TG | J14 | 12 | M | 29.9 | B |
| | 15 | TG | J14 | 12 | M | 27.2 | B |
| | 15 | TG | J14 | 12 | M | 26.7 | B |
| | 15 | TG | J14 | 12 | M | 25.7 | B |
| | 15 | TG | J14 | 12 | F | 31.4 | B |
| | 15 | TG | J14 | 12 | F | 27.8 | B |
| | 15 | TG | I15 | 13 | M | 27.0 | B |
| | 15 | TG | I15 | 13 | F | 29.2 | B |
| | 15 | TG | I14 | 13 | M | 26.9 | B |
| | 15 | TG | I14 | 13 | M | 27.0 | B |
| | 15 | TG | I15 | 13 | M | 28.9 | B |
| | 15 | TG | J14 | 13 | M | - | B |
| | 15 | TG | J14 | 13 | M | 26.0 | B |
| | 15 | TG | I14 | 14 | M | 30.2 | B |
| | 15 | TG | I14 | 14 | M | 27.7 | B |
| | 15 | TG | I14 | 13 | M | 26.7 | B |
| | 15 | TG | I14 | 13 | F | 28.2 | B |
| | 15 | TG | H14 | 16 | M | 29.3 | B |

Appendix Table 1.--Continued

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Release site: No. 15 - Tortugas grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|--------|--------------------|-----------------|
| <u>1962</u> | | | | | |
| Dec. 15 | TG | H15 | Fathom | mm. | |
| 15 | TG | H15 | 10 | M | 29.1 |
| 15 | TG | H15 | 10 | M | 26.9 |
| 15-16 | TG | J14 | 12 | F | 28.9 |
| 15-16 | TG | I14 | 14 | M | 24.5 |
| 15-16 | TG | I14 | 14 | M | 27.1 |
| 15-16 | TG | I14 | 14 | F | 31.3 |
| 15-16 | TG | I14 | 14 | F | 28.9 |
| 15-16 | TG | I14 | 14 | M | 28.7 |
| 15-16 | TG | I14 | 14 | M | 29.7 |
| 15-16 | TG | I14 | 14 | M | 25.4 |
| 16 | TG | J14 | 13 | F | 30.1 |
| 16 | TG | I15 | 13 | M | 29.3 |
| 16 | TG | I15 | 13 | F | 28.0 |
| 16 | TG | H14 | 16 | M | 27.1 |
| 16 | TG | H14 | 16 | M | 28.0 |
| 16 | TG | I15 | 13 | M | 26.8 |
| 16 | TG | I15 | 13 | M | 28.6 |
| 16 | TG | I15 | 13 | M | 26.2 |
| 16 | TG | I15 | 13 | F | 29.5 |
| 16 | TG | H14 | 16 | M | 27.4 |
| 16 | TG | I15 | 12 | M | 27.5 |
| 16 | TG | H15 | 15 | F | 28.3 |
| 16 | TG | J14 | 12 | F | 27.6 |
| 16 | TG | H15 | 13 | F | 26.1 |
| 16 | TG | H15 | 13 | F | 27.5 |
| 16-18 | TG | I15 | 13 | M | 30.0 |
| 16-18 | TG | I15 | 13 | F | 30.1 |
| 16-18 | TG | I15 | 13 | M | 28.9 |
| 16-18 | TG | I15 | 13 | M | 29.2 |
| 16-18 | TG | I15 | 13 | F | 28.9 |
| 16-18 | TG | I15 | 13 | F | 31.4 |
| 16-21 | TG | I15 | 12-13 | M | 27.0 |
| 16-21 | TG | I15 | 12-13 | F | 31.1 |
| 16-21 | TG | I15 | 12-13 | M | 28.2 |
| 16-21 | TG | I15 | 12-13 | M | 28.2 |
| 16-21 | TG | I15 | 12-13 | F | 26.8 |
| 16-21 | TG | I15 | 12-13 | M | 28.3 |
| 16-21 | TG | I15 | 12-13 | M | 28.7 |
| 16-21 | TG | I15 | 12-13 | M | 27.0 |
| 16-21 | TG | I15 | 12-13 | F | 26.4 |
| 16-22 | TG | I15 | 11-14 | F | 27.7 |

Appendix Table 1.--Continued

Release site: No. 15 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by | |
|------|-------|-------------------------|---------|-------|--------------------|-----------------|---|
| 1962 | | | Fathoms | | mm. | | |
| Dec. | 16-22 | TG | I15 | 11-14 | F | 30.5 | B |
| | 16-22 | TG | I15 | 11-14 | M | 28.0 | B |
| | 16-22 | TG | I15 | 11-14 | M | 27.8 | B |
| | 16-22 | TG | I15 | 11-14 | M | 26.7 | B |
| | 17 | TG | I14 | 13 | M | 27.4 | B |
| | 17 | TG | I14 | 13 | M | 27.3 | B |
| | 17 | TG | I14 | 13 | M | 25.7 | B |
| | 17 | TG | I14 | 13 | M | 28.0 | B |
| | 17 | TG | I14 | 13 | M | 28.8 | B |
| | 17 | TG | I14 | 13 | M | 26.0 | B |
| | 17 | TG | I14 | 13 | F | 31.9 | B |
| | 17 | TG | I14 | 13 | M | 25.6 | B |
| | 17 | TG | I14 | 13 | M | 26.9 | B |
| | 17 | TG | J14 | 12 | F | 29.5 | B |
| | 17 | TG | J14 | 12 | F | 33.0 | B |
| | 17 | TG | I15 | 13 | F | 29.9 | B |
| | 17 | TG | H14 | 13-15 | M | 27.0 | P |
| | 17 | TG | J14 | 12 | F | 29.1 | P |
| | 17 | TG | I15 | 13 | F | 27.5 | B |
| | 17 | TG | J15 | 11 | M | 28.4 | B |
| | 17 | TG | H14 | 16 | F | 26.7 | B |
| | 17 | TG | H15 | 15 | F | 28.2 | B |
| | 17 | TG | I14 | 14 | M | 29.9 | B |
| | 17 | TG | I15 | 13 | M | 24.3 | B |
| | 17 | TG | J14 | 12-14 | F | 29.5 | P |
| | 17 | TG | J14 | 12-14 | M | 28.7 | B |
| | 17-18 | TG | I15 | 12 | F | 29.0 | B |
| | 17-18 | TG | I15 | 12 | F | 28.3 | B |
| | 17-18 | TG | I15 | 12 | M | 27.3 | B |
| | 17-18 | TG | I15 | 12 | M | 29.3 | B |
| | 17-18 | TG | I15 | 12 | M | 27.2 | B |
| | 17-18 | TG | I15 | 12 | F | 26.9 | B |
| | 17-18 | TG | J14 | 12 | M | 28.2 | B |
| | 17-18 | TG | J14 | 12 | M | 27.7 | B |
| | 17-18 | TG | J14 | 12 | M | 28.1 | B |
| | 17-18 | TG | I14 | 13 | M | 26.0 | B |
| | 17-18 | TG | I15 | 12 | M | 27.3 | B |
| | 17-18 | TG | I15 | 12 | F | 25.3 | B |
| | 17-19 | TG | I15 | 12 | F | 28.0 | B |
| | 17-19 | TG | I15 | 12 | F | 27.8 | B |
| | 17-19 | TG | I15 | 12 | F | 26.2 | B |
| | 17-19 | TG | I15 | 12 | M | 28.8 | B |

Appendix Table 1.--Continued

Release site: No. 15 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|----|-------------------------|-------|-------|--------------------|-----------------|
| <u>1962</u> | | | | | | |
| Dec. | 18 | TG | I15 | | Fathoms | mm. |
| | 18 | TG | I15 | 12 | M | 27.5 |
| | 18 | TG | I15 | 12 | F | 32.4 |
| | 18 | TG | I15 | 12 | M | 28.9 |
| | 18 | TG | I15 | 12 | M | 26.7 |
| | 18 | TG | I15 | 12 | M | 30.1 |
| | 18 | TG | I15 | 12 | F | 28.5 |
| | 18 | TG | I15 | 12 | M | 26.1 |
| | 18 | TG | I15 | 12 | F | 26.4 |
| | 18 | TG | J15 | 11 | M | 27.3 |
| | 18 | TG | J15 | 11 | M | 26.0 |
| | 18 | TG | J14 | 12 | F | 25.5 |
| | 18 | TG | I14 | 13 | M | 27.6 |
| | 18 | TG | I14 | 13 | M | 28.2 |
| | 18 | TG | I14 | 13 | M | 27.0 |
| | 18 | TG | I14 | 13 | M | 27.5 |
| | 18 | TG | I14 | 14 | M | 26.8 |
| | 18 | TG | I14 | 14 | M | 27.5 |
| | 18 | TG | J15 | 9 | M | 27.3 |
| | 18 | TG | I15 | 12 | M | 28.6 |
| | 18 | TG | I14 | 14 | M | 29.2 |
| | 18 | TG | I14 | 14 | M | 29.7 |
| | 18 | TG | I14 | 14 | M | 30.5 |
| | 18 | TG | H15 | 14 | M | 26.8 |
| | 18 | TG | H15 | 14 | F | 27.5 |
| | 18 | TG | H15 | 14 | M | 26.9 |
| | 18 | TG | I15 | 13 | M | 28.3 |
| | 18 | TG | I15 | 13 | M | 28.2 |
| | 18 | TG | I15 | 12-13 | F | 26.3 |
| | 18 | TG | I15 | 12-13 | M | 27.3 |
| | 18 | TG | I15 | 13 | M | - |
| | 18 | TG | J14 | 12 | M | 28.2 |
| | 18 | TG | I14 | 13 | M | 27.2 |
| | 18 | TG | I14 | 13 | F | 30.8 |
| | 18 | TG | J14 | 13 | M | 27.6 |
| 18-19 | TG | I15 | 13 | F | 27.6 | B |
| 18-19 | TG | I15 | 13 | F | 29.7 | B |
| 18-19 | TG | I15 | 13 | F | 28.0 | B |
| 18-19 | TG | I15 | 13 | M | 25.5 | B |
| 18-19 | TG | I15 | 13 | M | 26.4 | B |
| 19 | TG | J14 | 13 | M | 30.5 | B |
| 19 | TG | J14 | 13 | M | 28.5 | B |

Appendix Table 1.--Continued

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Release site: No. 15 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|----|-------------------------|-------|-------|--------------------|-----------------|
| 1962 | | | | | | |
| Dec. | 19 | TG | J14 | | <u>Fathoms</u> | <u>mm.</u> |
| | 19 | TG | J14 | 13 | M | 29.0 |
| | 19 | TG | J14 | 13 | M | 27.6 |
| | 19 | TG | J14 | 13 | M | 28.7 |
| | 19 | TG | J14 | 13 | M | 29.9 |
| | 19 | TG | J14 | 13 | M | 29.8 |
| | 19 | TG | J14 | 13 | M | 28.2 |
| | 19 | TG | J14 | 13 | M | 28.2 |
| | 19 | TG | J14 | 13 | M | 29.4 |
| | 19 | TG | J14 | 13 | M | 28.1 |
| | 19 | TG | J14 | 13 | M | 25.9 |
| | 19 | TG | J14 | 13 | M | 25.8 |
| | 19 | TG | J14 | 13 | M | 28.2 |
| | 19 | TG | J14 | 13 | M | 26.7 |
| | 19 | TG | J14 | 13 | M | 28.1 |
| | 19 | TG | J15 | 11 | M | 28.2 |
| | 19 | TG | I15 | 10-13 | M | 25.2 |
| | 19 | TG | I15 | 10-13 | - | 28.9 |
| | 19 | TG | I15 | 10-13 | M | 29.0 |
| | 19 | TG | I15 | 12 | M | 27.7 |
| | 19 | TG | I15 | 12 | M | 27.2 |
| | 19 | TG | I14 | 13-14 | F | 28.1 |
| | 19 | TG | I14 | 13-14 | M | 27.1 |
| | 19 | TG | I14 | 13-14 | M | 27.8 |
| | 19 | TG | I14 | 13-14 | M | 25.9 |
| | 19 | TG | I14 | 13-14 | M | 26.1 |
| | 19 | TG | J15 | 12 | M | 25.7 |
| | 19 | TG | J15 | 12 | M | 28.3 |
| | 19 | TG | J15 | 12 | M | - |
| | 19 | TG | H15 | 12 | F | 28.0 |
| | 19 | TG | J15 | 12 | M | 26.1 |
| | 19 | TG | I15 | 12 | M | 25.5 |
| | 19 | TG | I14 | 14 | M | 29.1 |
| | 19 | TG | I15 | 13-15 | M | 28.2 |
| | 19 | TG | I15 | 12 | F | 20.9 |
| | 19 | TG | H15 | 14 | M | 25.5 |
| | 19 | TG | H15 | 14 | M | 28.7 |
| | 19 | TG | I14 | 13-16 | M | 26.3 |
| | 19 | TG | J15 | 11 | M | 28.7 |
| | 19 | TG | I14 | 13 | M | 27.2 |
| | 19 | TG | I14 | 13 | M | 29.0 |
| | 19 | TG | I14 | 13 | M | 26.0 |

Appendix Table 1.--Continued

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Release site: No. 15 - Tortugas grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|-------|--------------------|-----------------|
| 1962 | | | | | |
| Dec. 19 | TG | I14 | 14 | M | 28.6 |
| 19 | TG | J15 | 11-12 | F | 29.1 |
| 19 | TG | J15 | 11-12 | M | 27.1 |
| 19 | TG | J15 | 11-12 | F | 28.8 |
| 19 | TG | J15 | 11-12 | F | 27.3 |
| 19 | TG | I15 | 13 | M | 28.9 |
| 19 | TG | I15 | 13 | M | 28.5 |
| 19 | TG | J15 | 10 | M | 29.0 |
| 19 | TG | I15 | 13 | F | 32.5 |
| 19 | TG | I15 | 12 | M | 25.3 |
| 19 | TG | I15 | 13 | F | 27.1 |
| 19 | TG | I15 | 12 | F | 32.5 |
| 19 | TG | J15 | 12 | F | 28.0 |
| 19 | TG | I15 | 12 | M | 28.7 |
| 19 | TG | I15 | 12 | M | 30.2 |
| 19 | TG | I14 | 12-13 | M | 26.4 |
| 19 | TG | I14 | 12-13 | F | 29.6 |
| 19 | TG | I15 | 12-13 | M | 28.7 |
| 19 | TG | I15 | 12-13 | M | 28.9 |
| 19 | TG | I15 | 12 | M | 25.8 |
| 19 | TG | I15 | 12 | M | 26.7 |
| 19 | TG | I15 | 12 | M | 27.7 |
| 19 | TG | J15 | 11 | F | 27.6 |
| 19 | TG | J15 | 11 | F | 27.5 |
| 19 | TG | J15 | 11 | F | 27.3 |
| 19 | TG | J15 | 11 | F | 29.0 |
| 19 | TG | I15 | 12 | M | 28.3 |
| 19 | TG | I15 | 12 | M | 29.0 |
| 19 | TG | I15 | 12 | M | 28.3 |
| 19 | TG | I14 | 15 | M | 28.2 |
| 19 | TG | I14 | 15 | M | 24.8 |
| 19 | TG | I14 | 15 | M | 26.8 |
| 19 | TG | I14 | 14 | F | 31.6 |
| 19 | TG | H14 | 16 | M | 26.4 |
| 19 | TG | H14 | 16 | M | 25.8 |
| 19 | TG | H14 | 16 | M | 27.8 |
| 19 | TG | I15 | 11 | F | 29.8 |
| 19 | TG | I15 | 11 | M | 26.8 |
| 19 | TG | J15 | 11-12 | M | 29.8 |
| 19 | TG | J15 | 11-12 | M | 29.4 |
| 19 | TG | J15 | 11-12 | F | 26.1 |

Appendix Table 1.--Continued

Release site: No. 15 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|----|-------------------------|-------|-----|--------------------|-----------------|
| 1962 | | | | | | |
| Dec. 19 | TG | J15 | 11-12 | F | 28.3 | B |
| 19 | TG | J15 | 11-12 | F | - | B |
| 19 | TG | I15 | 13 | M | 26.0 | B |
| 19 | TG | I15 | 13 | M | 27.2 | B |
| 19 | TG | I15 | 13 | F | 29.0 | B |
| 19-20 | TG | I13 | 11-16 | M | 27.1 | B |
| 19-20 | TG | I13 | 11-16 | M | 26.5 | B |
| 19-20 | TG | I13 | 11-16 | M | 27.3 | B |
| 20 | TG | J15 | 12 | M | 29.2 | B |
| 20 | TG | J15 | 12 | M | 28.7 | B |
| 20 | TG | J14 | 12 | M | 28.8 | B |
| 20 | TG | J14 | 12 | M | 27.7 | B |
| 20 | TG | J14 | 12 | F | 30.9 | B |
| 20 | TG | J14 | 12 | M | 29.1 | B |
| 20 | TG | J14 | 13 | M | 28.6 | B |
| 20 | TG | J14 | 13 | M | 27.6 | B |
| 20 | TG | I15 | 12 | M | 30.0 | B |
| 20 | TG | J14 | 13 | M | 26.4 | B |
| 20 | TG | I14 | 14 | F | 32.2 | B |
| 20 | TG | H14 | 16 | M | 27.0 | B |
| 20 | TG | H14 | 16 | M | 26.8 | B |
| 20 | TG | I15 | 11 | F | 25.7 | B |
| 20 | TG | I14 | 14 | M | 27.3 | B |
| 20 | TG | I14 | 14 | F | 28.4 | B |
| 20 | TG | I14 | 14 | M | 25.9 | B |
| 20 | TG | I15 | 11 | M | 26.8 | B |
| 20 | TG | I14 | 15 | F | 28.9 | B |
| 20 | TG | I14 | 15 | F | 30.7 | B |
| 20 | TG | I15 | 11-12 | M | 28.5 | P |
| 20 | TG | J15 | 11 | M | 31.8 | B |
| 20 | TG | H14 | 16 | F | 29.4 | B |
| 20 | TG | I14 | 13 | F | 27.7 | B |
| 20 | TG | I14 | 14 | M | 26.3 | B |
| 20 | TG | I14 | 14 | M | 29.0 | B |
| 20 | TG | I14 | 14 | M | 27.3 | B |
| 20 | TG | I15 | 13-15 | M | 26.0 | B |
| 20 | TG | I15 | 13-15 | F | 29.3 | B |
| 21 | TG | J15 | 11 | M | 28.6 | B |
| 21 | TG | I14 | 13 | F | 24.4 | B |
| 21 | TG | F15 | 15 | M | 24.8 | B |

Appendix Table 1.--Continued

Release site: No. 15 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by | |
|------|----|-------------------------|---------|-------|--------------------|-----------------|---|
| 1962 | | | Fathoms | | mm. | | |
| Dec. | 21 | TG | I14 | 13 | F | 30.3 | B |
| | 21 | TG | I14 | 13 | M | 25.7 | B |
| | 21 | TG | I14 | 13 | F | 28.5 | B |
| | 21 | TG | I14 | 15 | F | 31.4 | B |
| | 21 | TG | I14 | 15 | F | - | B |
| | 21 | TG | I14 | 15 | M | 27.8 | B |
| | 21 | TG | I15 | 12-13 | M | 28.8 | B |
| | 21 | TG | J15 | 11 | M | 29.0 | B |
| | 22 | TG | I14 | 14 | M | 30.2 | B |
| | 22 | TG | I14 | 14 | M | 27.5 | B |
| | 22 | TG | I14 | 14 | M | 29.4 | B |
| | 22 | TG | I14 | 14 | F | 27.3 | B |
| | 22 | TG | J15 | 8-11 | F | 26.5 | P |
| | 22 | TG | I14 | 13 | M | 25.6 | B |
| | 25 | TG | I15 | 12 | M | 26.6 | B |
| | 25 | TG | H14 | 16 | F | 33.0 | B |
| | 26 | TG | I15 | 12 | M | 27.0 | B |
| | 26 | TG | I14 | 15 | F | 30.3 | B |
| | 26 | TG | I14 | 15 | F | 32.6 | B |
| | 26 | TG | I14 | 15 | M | 28.0 | B |
| | 26 | TG | J15 | 12 | M | 27.3 | B |
| | 27 | TG | I14 | 15 | M | 28.1 | B |
| | 27 | TG | I14 | 15 | F | 27.3 | B |
| | 27 | TG | I14 | 14 | F | 29.0 | B |
| | 27 | TG | J15 | 13 | M | 26.7 | B |
| | 27 | TG | I15 | 13 | M | - | B |
| | 27 | TG | I15 | 13 | M | 28.9 | P |
| | 27 | TG | I14 | 12 | M | 28.4 | P |
| | 27 | TG | I14 | 13 | F | 27.8 | B |
| 2 | 27 | TG | J14 | 12 | M | 28.0 | B |
| | 27 | TG | I14 | 14 | F | 33.2 | B |
| | 27 | TG | I14 | 14 | M | 26.0 | B |
| | 28 | TG | H14 | 15 | M | 28.0 | B |
| | 28 | TG | I15 | 12 | F | 31.9 | B |
| | 28 | TG | I14 | 14 | F | 28.3 | B |
| | 28 | TG | I14 | 14 | F | 31.5 | B |
| | 28 | TG | I14 | 14 | F | 27.8 | B |
| | 28 | TG | I14 | 14 | M | 30.3 | B |
| | 28 | TG | I14 | 14 | M | 28.9 | B |
| | 28 | TG | J14 | 13 | M | 25.8 | B |
| | 28 | TG | I14 | 14 | M | 29.5 | B |

Appendix Table 1.--Continued

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Release site: No. 15 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|----|-------------------------|-------|-----|--------------------|-----------------|
| 1962 | | | | | | |
| Dec. | 28 | TG | I14 | F | 29.4 | B |
| | 28 | TG | I14 | M | 29.3 | B |
| | 28 | TG | I14 | F | - | B |
| | 28 | TG | I14 | M | 27.4 | P |
| | 28 | TG | I15 | M | 29.1 | B |
| | 28 | TG | I15 | M | 27.5 | B |
| | 28 | TG | I15 | F | 27.0 | B |
| | 28 | TG | I15 | M | 27.4 | B |
| | 28 | TG | J14 | F | 32.7 | B |
| | 28 | TG | I14 | M | 28.4 | B |
| | 28 | TG | I14 | M | 27.2 | B |
| | 29 | TG | J15 | M | 28.0 | B |
| | 29 | TG | I15 | M | 28.1 | B |
| | 29 | TG | I15 | M | 27.5 | B |
| | 29 | TG | I14 | M | 28.2 | B |
| | 29 | TG | I15 | F | 29.8 | B |
| | 29 | TG | G14 | M | 28.9 | B |
| | 29 | TG | I15 | F | 32.2 | B |
| | 29 | TG | H14 | M | 29.4 | B |
| | 29 | TG | H14 | M | 25.7 | B |
| | 29 | TG | H14 | M | 24.6 | B |
| | 29 | TG | G15 | M | - | B |
| | 30 | TG | - | F | 30.7 | B |
| | 30 | TG | I15 | F | - | B |
| | 30 | TG | I15 | M | 26.6 | B |
| 1963 | | | | | | |
| Jan. | 1 | TG | I14 | F | 30.1 | B |
| | 1 | TG | I14 | M | 26.5 | B |
| | 1 | TG | I14 | F | 31.4 | B |
| | 1 | TG | I14 | M | 29.0 | B |
| | 2 | TG | J14 | F | 30.4 | B |
| | 2 | TG | J15 | F | 29.1 | B |
| | 2 | TG | J15 | - | - | B |
| | 2 | TG | H14 | M | 31.6 | B |
| | 2 | TG | H14 | F | 29.4 | B |
| | 2 | TG | I15 | F | 30.5 | B |
| | 2 | TG | I15 | M | 27.4 | B |
| | 2 | TG | I14 | M | 28.4 | B |
| | 2 | TG | I15 | M | 27.1 | B |
| | 2 | TG | I15 | M | 30.3 | B |
| | 2 | TG | H13 | M | 27.6 | B |
| | 3 | TG | H15 | M | 28.8 | B |

Appendix Table 1.--Continued

Release site; No. 15 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|------|---|-------------------------|----------------|-------|--------------------|-----------------|
| 1963 | | | <u>Fathoms</u> | | <u>mm.</u> | |
| Jan. | 3 | TG | I15 | 12 | 29.2 | B |
| | 3 | TG | I15 | 12 | 28.7 | B |
| | 3 | TG | G15 | 14-15 | 29.6 | B |
| | 3 | TG | I15 | 10 | 31.7 | B |
| | 3 | TG | I15 | 14 | 29.1 | B |
| | 3 | TG | I15 | 14 | 26.6 | B |
| | 3 | TG | H15 | 14-15 | 30.4 | B |
| | 3 | TG | J14 | 11 | 27.3 | B |
| 3-7 | | TG | G15 | 15 | 28.9 | P |
| | 4 | TG | I15 | 12 | 32.2 | B |
| | 4 | TG | I15 | 14 | 29.4 | B |
| | 4 | TG | I15 | 14 | 31.2 | B |
| | 4 | TG | I15 | 14 | - | B |
| | 4 | TG | H15 | 14 | 30.2 | B |
| | 4 | TG | I15 | 10 | 29.1 | B |
| | 4 | TG | J15 | 13 | 29.1 | B |
| | 4 | TG | H14 | 16 | 29.7 | B |
| | 4 | TG | J14 | 12 | 28.0 | B |
| | 4 | TG | J15 | 11 | 29.7 | B |
| | 4 | TG | I14, F15 | 13-16 | 29.9 | B |
| | 5 | TG | J15 | 13 | 29.3 | B |
| | 5 | TG | J15 | 13 | 29.1 | B |
| | 5 | TG | J15 | 13 | - | B |
| | 5 | TG | I13 | 13 | 27.6 | B |
| | 5 | TG | I13 | 13 | 29.4 | B |
| | 5 | TG | I13 | 13 | 29.2 | B |
| | 5 | TG | J15 | 12 | 27.4 | B |
| | 5 | TG | I14 | 13 | 28.2 | B |
| | 5 | TG | I15 | 10 | 28.6 | P |
| | 5 | TG | I15 | 10 | 27.7 | B |
| | 5 | TG | I15 | 12 | 28.3 | B |
| | 5 | TG | I15 | 14 | 27.4 | B |
| | 5 | TG | I15 | 14 | 27.3 | B |
| | 5 | TG | I15 | 14 | 29.0 | B |
| | 5 | TG | I15 | 14 | 29.7 | B |
| | 5 | TG | H15 | 12-14 | 30.2 | B |
| | 5 | TG | H15 | 11 | 28.4 | B |
| | 5 | TG | H15 | 11 | 27.8 | B |
| | 5 | TG | H15 | 11 | 29.2 | B |
| | 5 | TG | H15 | 11 | 33.4 | B |
| | 5 | TG | I15 | 13 | 29.2 | B |

Appendix Table 1.--Continued

Release site: No. 15 - Tortugas grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|------|-------------------------|-------|-------|--------------------|-----------------|
| 1963 | | | | | |
| Jan. | | | | | |
| 5 | TG | J15 | 10 | F | 33.0 |
| 5 | TG | I14 | 14 | M | 27.4 |
| 5 | TG | I14 | 14 | M | 29.3 |
| 5 | TG | J15 | 13 | M | 28.4 |
| 5 | TG | J15 | 13 | M | 27.6 |
| 5 | TG | J15 | 10 | F | 29.4 |
| 5 | TG | J15 | 12-13 | M | 27.5 |
| 5 | TG | J15 | 12-13 | M | 30.3 |
| 5 | TG | J15 | 12-13 | M | 29.2 |
| 5 | TG | J15 | 12-13 | M | 26.4 |
| 5 | TG | I15 | 12 | F | 32.8 |
| 5 | TG | I15 | 12 | M | 30.9 |
| 5 | TG | J15 | 12 | M | 27.5 |
| 5 | TG | J15 | 12 | F | 29.1 |
| 5 | TG | J15 | 12 | M | 29.9 |
| 5 | TG | J14 | 12 | M | 30.1 |
| 5 | TG | J14 | 12 | F | 32.9 |
| 5 | TG | J14 | 12 | F | 30.8 |
| 5-6 | TG | I14 | 13 | M | 31.9 |
| 5-6 | TG | I14 | 13 | F | 28.2 |
| 5-6 | TG | I14 | 13 | M | 28.5 |
| 5-6 | TG | I14 | 13 | F | 31.4 |
| 5-6 | TG | I14 | 13 | F | 29.9 |
| 5-6 | TG | I14 | 13 | M | 27.1 |
| 6 | TG | I14 | 15 | M | 26.5 |
| 6 | TG | I14 | 15 | M | 27.5 |
| 6 | TG | I14 | 15 | M | 28.4 |
| 6 | TG | I14 | 15 | M | 28.3 |
| 6 | TG | J14 | 13 | M | 27.6 |
| 6 | TG | I15 | 12-13 | F | 28.0 |
| 6 | TG | I14 | 13 | M | 27.4 |
| 6 | TG | J15 | 10 | F | 30.0 |
| 6 | TG | J14 | 11 | M | 28.6 |
| 6 | TG | J14 | 11 | M | 30.0 |
| 6 | TG | J14 | 11 | M | 29.3 |
| 6 | TG | J15 | 10 | F | 30.6 |
| 6 | TG | I14 | 14 | M | 27.4 |
| 6 | TG | I14 | 13 | F | 31.0 |
| 6 | TG | F15 | 15 | M | 30.9 |
| 6 | TG | I14 | 13 | M | 30.1 |
| 6 | TG | J14 | 13 | M | 29.5 |

Appendix Table 1.--Continued

Release site: No. 15 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by | |
|-------------|---|-------------------------|----------------|-------|--------------------|-----------------|---|
| <u>1963</u> | | | <u>Fathoms</u> | | <u>mm.</u> | | |
| Jan. | 6 | TG | J14 | 13 | M | 29.1 | B |
| | 6 | TG | J14 | 13 | M | 31.4 | B |
| | 6 | TG | J14 | 13 | M | 27.4 | B |
| | 6 | TG | J14 | 13 | M | 27.9 | B |
| | 6 | TG | H15 | 13 | F | 29.3 | B |
| | 6 | TG | J14 | 12 | M | 29.4 | B |
| | 6 | TG | J14 | 13 | F | 31.6 | B |
| | 6 | TG | I14 | 15 | M | 26.4 | B |
| | 6 | TG | F15 | 16 | M | 31.1 | B |
| | 6 | TG | F15 | 16 | F | 32.3 | B |
| | 6 | TG | F15 | 16 | M | - | B |
| | 6 | TG | F15 | 16 | M | 29.4 | B |
| | 6 | TG | I14 | 13-14 | M | 29.0 | B |
| | 6 | TG | I14 | 13-14 | M | 29.7 | B |
| | 6 | TG | I14 | 13-14 | M | 26.4 | B |
| | 6 | TG | I14 | 13-14 | M | 28.5 | B |
| | 6 | TG | J15 | 12 | M | 29.0 | B |
| | 6 | TG | J15 | 12 | M | 28.9 | B |
| | 6 | TG | J15 | 12 | M | 28.7 | B |
| | 6 | TG | G15 | 14 | M | 30.0 | B |
| | 7 | TG | G15 | 14 | M | 31.7 | P |
| | 7 | TG | H15 | 15 | F | 33.2 | B |
| | 7 | TG | H15 | 14 | F | 30.2 | B |
| | 7 | TG | J15 | 10 | M | 27.5 | P |
| | 7 | TG | I14 | 14 | M | 30.3 | B |
| | 7 | TG | I15 | 12 | M | 28.2 | P |
| | 7 | TG | G15 | 16 | M | 28.8 | B |
| | 7 | TG | I15 | 12 | M | 30.6 | P |
| | 8 | TG | I14 | 13 | M | 30.9 | B |
| | 8 | TG | I14 | 13 | F | 32.8 | B |
| | 8 | TG | H15 | 14 | M | 30.0 | B |
| | 8 | TG | I15 | 12 | M | 29.3 | P |
| | 9 | TG | J15 | 13 | F | 31.9 | B |
| | 9 | TG | I14 | 14 | M | 30.8 | B |
| | 9 | TG | I14 | 14 | M | 30.9 | P |
| | 9 | TG | J15 | 11 | M | 30.1 | B |
| | 9 | TG | I14 | 14 | M | 29.1 | B |
| | 9 | TG | I14 | 14 | F | 32.4 | B |
| | 9 | TG | I14 | 14 | M | 27.8 | B |
| | 9 | TG | J14 | 12-15 | M | 30.8 | B |
| | 9 | TG | I14 | 13 | M | 31.0 | B |

Appendix Table 1.--Continued

Release site: No. 15 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by | |
|------|----|-------------------------|----------|-------|--------------------|-----------------|---|
| 1963 | | | Fathoms | | mm. | | |
| Jan. | 9 | TG | I14 | 14 | M | 28.1 | B |
| | 9 | TG | I14 | 14 | M | 29.9 | B |
| | 9 | TG | H15 | 14 | M | - | B |
| | 9 | TG | I14 | 14 | M | 30.3 | B |
| | 9 | TG | I14 | 14 | F | 29.8 | B |
| | 9 | TG | J15 | 10 | M | 26.8 | B |
| | 9 | TG | J15 | 10 | F | 30.0 | B |
| | 9 | TG | J15 | 13 | M | 29.8 | B |
| | 9 | TG | J15 | 13 | M | 31.0 | B |
| | 9 | TG | H14 | 17 | M | 29.8 | B |
| | 9 | TG | H15 | 13 | F | 29.2 | B |
| | 9 | TG | H15 | 13 | M | 28.0 | B |
| | 9 | TG | I15 | 12 | M | 30.4 | P |
| | 9 | TG | I14 | 14 | F | 32.8 | B |
| | 9 | TG | I14 | 14 | M | 30.2 | B |
| | 10 | TG | J15 | 13 | F | 30.6 | B |
| | 10 | TG | I15 | 12 | M | 28.1 | B |
| | 10 | TG | I15 | 12 | M | 27.3 | B |
| | 10 | TG | I14 | 14 | M | 27.6 | B |
| | 10 | TG | I13 | 14 | F | 30.1 | B |
| | 10 | TG | I13 | 14 | M | 30.3 | B |
| | 10 | TG | I14 | 15 | F | 34.2 | B |
| | 10 | TG | I14 | 15 | M | 29.8 | B |
| | 10 | TG | I15 | 13-14 | M | 29.9 | B |
| | 10 | TG | I14 | 13 | M | 30.6 | B |
| | 10 | TG | J15 | 11 | F | 30.8 | B |
| | 10 | TG | I14 | 14 | M | 28.6 | B |
| | 10 | TG | H14 | 15 | M | 28.3 | B |
| | 10 | TG | H14 | 15 | M | 30.2 | B |
| | 10 | TG | I14 | 13 | M | 29.7 | B |
| | 10 | TG | I14 | 13 | M | 30.3 | B |
| | 10 | TG | I14 | 14 | M | 27.2 | B |
| | 10 | TG | J15, H15 | 16 | M | 28.2 | P |
| | 11 | TG | J15 | 13 | F | 35.5 | B |
| | 11 | TG | I15 | 12-13 | F | 31.9 | B |
| | 11 | TG | I15 | 12-13 | M | 28.6 | B |
| | 11 | TG | I14 | 13 | M | 29.1 | B |
| | 11 | TG | I14 | 13 | M | 27.8 | B |
| | 11 | TG | I14 | 13 | M | 28.0 | B |
| | 11 | TG | I15 | 12 | F | 31.4 | B |
| | 11 | TG | I14 | 14 | M | 28.4 | B |

Appendix Table 1.--Continued

Release site: No. 15 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|----|-------------------------|-------|---------|--------------------|-----------------|
| <u>1963</u> | | | | | | |
| Jan. | 11 | TG | I14 | Fathoms | mm. | |
| | 11 | TG | I15 | 13 | M | 29.2 |
| | 11 | TG | J15 | 10 | F | 28.1 |
| | 11 | TG | I15 | 13 | M | 29.7 |
| | 11 | TG | I14 | 13 | M | 30.0 |
| | 11 | TG | I14 | 13 | F | 32.2 |
| | 11 | TG | I14 | 16 | M | 30.7 |
| | 11 | TG | J15 | 13 | F | 32.9 |
| | 11 | TG | I14 | 14 | M | 27.7 |
| | 11 | TG | J15 | 13 | M | 28.7 |
| | 11 | TG | H15 | 15 | M | 26.7 |
| | 11 | TG | I14 | 14 | M | 30.4 |
| | 12 | TG | I15 | 13 | M | 28.5 |
| | 12 | TG | H15 | 12-13 | M | - |
| | 12 | TG | H15 | 12-13 | F | 33.2 |
| | 12 | TG | H15 | 13 | M | 31.6 |
| | 12 | TG | H15 | 13 | M | 28.7 |
| | 12 | TG | I14 | 14 | M | 28.3 |
| | 12 | TG | I14 | 14 | F | 30.9 |
| | 12 | TG | I14 | 14 | F | 29.0 |
| | 12 | TG | I14 | 13 | M | 29.5 |
| | 12 | TG | I14 | 13 | M | 30.4 |
| | 12 | TG | I14 | 13-14 | M | 28.2 |
| | 12 | TG | J14 | 14 | M | 30.5 |
| | 12 | TG | I14 | 14 | M | 28.7 |
| | 12 | TG | I14 | 14 | F | 32.2 |
| | 12 | TG | I14 | 14 | F | 29.3 |
| | 12 | TG | H15 | 15 | M | 29.3 |
| | 12 | TG | J15 | 13 | M | 29.3 |
| | 12 | TG | I14 | 15 | M | 29.1 |
| | 12 | TG | J15 | 10 | F | 30.2 |
| | 13 | TG | J15 | 13 | M | 29.5 |
| | 13 | TG | J15 | 13 | M | 29.1 |
| | 13 | TG | J14 | 12 | M | 29.2 |
| | 13 | TG | J15 | 13 | F | 31.0 |
| | 13 | TG | J15 | 13 | M | 29.6 |
| | 13 | TG | G15 | 14 | M | 27.3 |
| | 13 | TG | G15 | 14 | F | - |
| | 13 | TG | I14 | 14 | M | 28.1 |
| | 13 | TG | I13 | 15-17 | F | 32.4 |
| | 13 | TG | I14 | 14 | F | 31.4 |
| | 13 | TG | J15 | 11 | M | 31.2 |

Appendix Table 1.--Continued

Release site: No. 15 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by | |
|-------|----|-------------------------|---------|-----|--------------------|-----------------|---|
| 1963 | | | Fathoms | | mm. | | |
| Jan. | 13 | TG | I14 | 13 | F | 32.3 | B |
| | 14 | TG | H14 | 15 | M | 30.3 | B |
| | 14 | TG | H14 | 14 | F | 30.9 | B |
| | 14 | TG | J15 | 13 | F | 30.0 | B |
| | 14 | TG | J15 | 13 | F | 27.8 | B |
| | 14 | TG | I15 | 12 | M | 30.0 | B |
| | 14 | TG | H15 | 13 | M | 29.7 | B |
| | 14 | TG | H15 | 13 | F | 32.6 | B |
| | 14 | TG | I15 | 13 | M | 28.5 | B |
| | 15 | TG | I14 | 14 | F | 32.1 | B |
| | 15 | TG | I14 | 14 | M | 30.4 | B |
| | 15 | TG | H15 | 14 | F | 32.2 | B |
| | 15 | TG | H15 | 14 | M | 27.7 | B |
| | 15 | TG | H14 | 16 | M | 29.6 | B |
| | 15 | TG | J14 | 13 | M | 31.1 | B |
| | 15 | TG | H14 | 15 | M | 30.1 | B |
| | 16 | TG | J14 | 13 | M | 28.5 | B |
| | 16 | TG | F16 | 15 | M | 30.6 | B |
| | 16 | TG | J15 | 13 | M | 30.5 | B |
| | 16 | TG | I14 | 14 | M | 29.3 | B |
| | 16 | TG | I15 | 12 | - | 27.3 | B |
| | 17 | TG | I13 | 13 | F | 32.7 | B |
| | 17 | TG | I13 | 13 | M | 28.5 | B |
| | 17 | TG | I13 | 13 | F | 28.0 | B |
| | 17 | TG | J14 | 11 | F | 30.5 | B |
| | 17 | TG | J15 | 13 | M | 29.3 | B |
| | 17 | TG | J14 | 13 | M | 27.1 | B |
| | 17 | TG | I15 | 12 | F | 30.8 est. | B |
| | 17 | TG | I14 | 14 | F | 28.9 | B |
| | 17 | TG | J15 | 12 | M | 30.2 | B |
| | 17 | TG | H13 | 13 | M | 29.3 | B |
| 17-21 | | TG | I14 | 14 | M | 28.4 | P |
| 17-21 | | TG | J15 | 13 | F | 33.5 | P |
| 18 | | TG | J15 | 12 | M | 28.5 | B |
| 18 | | TG | J15 | 12 | M | 30.8 | B |
| 18 | | TG | H14 | 14 | F | 32.3 | B |
| 18 | | TG | H14 | 14 | M | 27.8 | B |
| 18 | | TG | I13 | 14 | M | 28.7 | B |
| 18 | | TG | J15 | 12 | M | 30.2 | B |
| 18 | | TG | J15 | 14 | F | 32.0 | B |
| 18 | | TG | I15 | 12 | F | 32.3 | B |

Appendix Table 1.--Continued

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Release site: No. 15 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------|----|-------------------------|---------|------|--------------------|-----------------|
| 1963 | | | Fathoms | | mm. | |
| Jan. | 18 | TG | J15 | M | 28.8 | B |
| | 18 | TG | H15 | M | 28.2 | B |
| | 18 | TG | H15 | M | 28.1 | B |
| | 18 | TG | I15 | M | 30.1 | B |
| | 18 | TG | H14 | M | 29.8 | B |
| | 18 | TG | J13 | M | 28.5 | B |
| | 18 | TG | H14 | M | 26.0 | B |
| | 18 | TG | H14 | M | 29.1 | B |
| | 18 | TG | J15 | M | 28.9 | B |
| 18-21 | | TG | H14 | M | 26.7 | P |
| | 19 | TG | I15 | M | 27.2 | B |
| | 19 | TG | H13 | F | 34.4 | B |
| | 19 | TG | I14 | M | 29.2 | B |
| | 19 | TG | H15 | M | 29.0 | B |
| | 19 | TG | K14 | M | 30.1 | B |
| | 19 | TG | K14 | F | 30.7 | B |
| | 19 | TG | I15 | F | 31.2 | B |
| | 19 | TG | I15 | F | 34.2 | B |
| | 19 | TG | I15 | M | 27.6 | B |
| | 19 | TG | J14 | M | 30.3 | B |
| | 19 | TG | I15 | M | 28.5 | B |
| | 19 | TG | J14 | M | 30.1 | B |
| | 19 | TG | I14 | M | 27.3 | B |
| | 19 | TG | H13 | F | 31.5 | B |
| | 19 | TG | H13 | M | 29.8 est. | B |
| | 19 | TG | H14 | F | 32.2 | B |
| | 19 | TG | I14 | F | 31.4 | B |
| | 19 | TG | I14 | M | 29.3 | B |
| | 19 | TG | H14 | M | 27.8 | B |
| | 19 | TG | I15 | M | 30.2 | B |
| | 19 | TG | J15 | M | 27.4 | B |
| 20 | TG | I14 | F | 33.4 | B | |
| 20 | TG | I13 | M | 27.8 | B | |
| 20 | TG | I13 | M | 28.4 | B | |
| 20 | TG | I14 | F | 31.3 | B | |
| 20 | TG | I14 | M | 29.3 | B | |
| 20 | TG | J15 | F | 32.8 | B | |
| 20 | TG | I14 | M | 30.5 | B | |
| 20 | TG | H14 | M | 30.2 | B | |
| 20 | TG | I14 | M | 31.1 | B | |
| 21 | TG | H14 | F | 33.3 | B | |

Appendix Table 1.--Continued

Release site: No. 15 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|---------|----|-------------------------|---------|-----|--------------------|-----------------|
| 1963 | | | Fathoms | | mm. | |
| Jan. 23 | TG | I13 | 14 | F | 35.2 | B |
| 23 | TG | H14 | 16 | M | 27.1 | B |
| 23 | TG | I14 | 14 | M | 27.7 | B |
| 23 | TG | H13 | 19 | M | 30.2 | B |
| 24 | TG | I15 | 12 | M | 31.0 | B |
| 25 | TG | I14 | 14 | M | 29.7 | B |
| 26 | TG | J15 | 11 | F | 32.4 | B |
| 26 | TG | I14 | 13 | M | 27.8 | B |
| 26 | TG | I14 | 14 | M | 27.4 | B |
| 26 | TG | I15 | 13 | M | 29.5 | P |
| 26 | TG | I15 | 13 | F | 33.2 | P |
| 26 | TG | I15 | 13 | F | 31.7 | B |
| 26 | TG | I15 | 13 | M | 29.1 | B |
| 26 | TG | H15 | 14 | M | 29.8 | B |
| 26 | TG | J15 | 13 | F | 32.4 | B |
| 26 | TG | H14 | 16 | F | 33.9 | B |
| 26 | TG | F17 | 13 | M | 27.5 | B |
| 26 | TG | I15 | 12 | M | 29.4 | B |
| 26 | TG | H13 | 14 | F | 34.2 | B |
| 26 | TG | H13 | 14 | M | 29.0 | B |
| 26 | TG | H14 | 15 | F | 31.6 | B |
| 26 | TG | I13 | 14 | M | 26.2 | B |
| 26 | TG | I14 | 15 | F | 32.3 | B |
| 26 | TG | I14 | 13 | M | 28.3 | B |
| 26 | TG | I14 | 14 | M | 28.3 | B |
| 26 | TG | I14 | 13 | M | 28.8 | B |
| 26 | TG | I15 | 12 | M | 27.5 | B |
| 26 | TG | I15 | 12 | M | 28.1 | B |
| 26 | TG | I14 | 13 | F | 30.8 | B |
| 27 | TG | F15 | 16 | M | 26.6 | B |
| 27 | TG | I14 | 15 | M | 30.6 | B |
| 27 | TG | I14 | 14 | M | 29.8 | B |
| 27 | TG | I14 | 13 | F | 29.6 | B |
| 27 | TG | H14 | 16 | F | 34.1 | B |
| 27 | TG | I14 | 13 | M | 31.6 | B |
| 27 | TG | I14 | 14 | F | 29.1 | B |
| 27 | TG | H14 | 15 | F | 32.2 | B |
| 27 | TG | H14 | 15 | M | 24.8 | B |
| 27 | TG | I14 | 14 | M | 28.1 | B |
| 28 | TG | I14 | 14 | F | 30.1 | B |
| 28 | TG | I13 | 14 | M | 27.8 | B |

Appendix Table 1.--Continued

Release site: No. 15 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by | |
|-------|------|-------------------------|---------|-------|--------------------|-----------------|---|
| 1963 | | | Fathoms | | mm. | | |
| Jan. | 28 | TG | I13 | 14 | F | 32.6 | B |
| | 28 | TG | I13 | 14 | M | 30.0 | B |
| | 29 | TG | I14 | 14 | M | 28.4 | B |
| | 30 | TG | I13 | 14 | M | 30.2 | B |
| | 30 | TG | I15 | 13 | M | 29.2 | B |
| | 30 | TG | I14 | 14 | M | 28.3 | B |
| | 31 | TG | I14 | 14 | M | 29.0 | B |
| | 31 | TG | I15 | 13 | M | 29.6 | B |
| | 31 | TG | I14 | 14 | M | 29.0 | B |
| | 31 | TG | I14 | 16 | M | 31.1 | B |
| | 31 | TG | I15 | 14 | F | 35.2 | B |
| | 31 | TG | G14 | 18 | M | 30.7 | B |
| | 31 | TG | I14 | 14 | M | 30.7 | B |
| | 31 | TG | I15 | 13 | F | 32.8 | B |
| | 31 | TG | I15 | 11 | M | 30.2 | B |
| | 31 | TG | I15 | 12 | F | 32.1 | B |
| Feb. | 1 | TG | H14 | 14 | F | 33.7 | B |
| | 1 | TG | H14 | 15 | F | 33.3 | B |
| | 1 | TG | H13 | 15 | F | 32.9 | B |
| | 1 | TG | H14 | 14-15 | M | 30.1 | B |
| | 2 | TG | I13 | 14 | F | 33.0 | B |
| | 2 | TG | I14 | 14 | M | 26.7 | P |
| | 2 | TG | I14 | 13 | M | 28.5 | B |
| | 2 | TG | H15 | 12 | F | 33.3 | B |
| | 2 | TG | F15 | 16 | M | 25.4 | B |
| | 3 | TG | H14 | 14-15 | M | 29.6 | B |
| | 3 | TG | I15 | 12 | M | 30.5 | B |
| | 3 | TG | I15 | 12 | M | 30.6 | B |
| | 3 | TG | I15 | 11 | M | 28.2 | B |
| | 4 | TG | I14 | 14 | F | - | P |
| | 7 | TG | I15 | 15 | M | 30.3 | B |
| | 9-12 | TG | I15 | 12 | M | 30.8 | P |
| | 10 | TG | I13 | 12 | M | 31.7 | B |
| | 10 | TG | I13 | 13 | F | 35.8 | B |
| 10-12 | TG | I15 | 11 | M | 30.2 | P | |
| | 11 | TG | G15 | 15 | M | 30.4 | B |
| | 11 | TG | I14 | 13 | F | 30.5 | B |
| | 13 | TG | F15 | 14 | M | 31.5 | B |
| | 14 | TG | H14 | 15 | M | 31.2 | B |
| | 14 | TG | H15 | 13 | F | 31.3 | B |
| | 15 | TG | H15 | 14 | M | 30.2 | B |

Appendix Table 1.--Continued

Release site: No. 15 - Tortugas grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|-------|---------|--------------------|-----------------|
| 1963 | | | | | |
| Feb. 15 | TG | H15 | Fathoms | mm. | |
| 21 | TG | I15 | 15 | M | 31.2 |
| 21 | TG | I14 | 12 | - | - |
| 24 | TG | I14 | 14 | M | 29.7 |
| 25 | TG | J15 | 14 | M | 28.6 |
| 25 | TG | J15 | 12 | M | 28.0 |
| 25 | TG | I14 | 13 | M | 31.8 |
| 25 | TG | H14 | 15 | M | 30.6 |
| 26 | TG | H13 | 16 | M | 32.6 |
| Mar. 1 | TG | G13 | 20 | M | 30.1 |
| 1 | TG | I15 | 13 | M | 28.1 |
| 3 | TG | I15 | 13 | F | 33.9 |
| 4 | TG | G14 | 17 | M | 30.0 |
| 7 | TG | F15 | 17 | M | 33.0 |
| 10 | TG | I13 | 15 | - | 30.9 |
| 11 | TG | G14 | 18 | M | 27.6 |
| 13 | TG | H15 | 15 | F | 32.9 |
| 14 | TG | F15 | 17 | M | 28.9 |
| 25 | TG | I14 | 14 | M | 31.0 |
| 29 | TG | I13 | 13 | M | 31.9 |

Appendix Table 2.--Recovery information for marked shrimp released on the Tortugas grounds, Florida during 1964

Release site : No. 16 - Tortugas grounds
 Date of release : Feb. 23, 1964
 Number released : 964
 Number recovered: 71

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------|-------------------------|--------|-------|--------------------|-----------------|
| 1964 | | | | | | |
| Feb. | 24-26 | TG | K6 | 11-12 | F | 27.8 |
| | 24-27 | TG | L5 | 15 | F | 29.0 |
| | 25 | TG | P5 | 13 | F | 30.5 |
| | 25 | TG | P5 | 13 | F | 28.1 |
| | 25 | TG | J6 | 15 | F | 28.2 |
| | 25 | TG | N5 | 13 | F | 27.3 |
| | 25 | TG | N5 | 13 | F | 29.6 |
| | 25 | TG | P5 | 11-12 | F | 27.2 |
| | 25 | TG | P5 | 11-12 | F | 27.3 |
| | 25 | TG | P5 | 11-12 | F | 28.9 |
| | 25 | TG | N4 | 13 | F | 28.6 |
| | 25-27 | TG | M5, N5 | 12-14 | F | 27.5 |
| | 26 | TG | M5 | 13 | F | 27.5 |
| | 26 | TG | P4 | 13 | F | 29.2 |
| | 26 | TG | N4 | 14 | F | 28.9 |
| | 27 | TG | N6 | 12 | F | 28.6 |
| | 27 | TG | M3 | 14-15 | F | 28.2 |
| Mar. | 3 | TG | L6 | 11 | F | 29.4 |
| | 3 | TG | L6 | 11 | F | 27.8 |
| | 3-7 | TG | K5, K6 | 14 | F | 28.4 |
| | 4 | TG | M5 | 12 | F | 27.7 |
| | 5 | TG | L5 | 14 | M | 28.3 |
| | 5 | TG | L5 | 14 | F | 29.2 |
| | 7 | TG | M6 | 10 | M | 25.0 |
| | 7 | TG | M5 | 14 | F | 28.8 |
| | 7 | TG | M3 | 14 | F | 28.7 |
| | 8 | TG | P5 | 12 | F | 28.1 |
| | 8-9 | TG | N5, P5 | 11-12 | F | 29.7 |
| | 8-9 | TG | N5, P5 | 11-12 | F | 30.2 |
| | 10 | TG | N5 | 13 | M | 27.5 |
| | 11 | TG | N5 | 13 | F | 30.0 |
| | 11-17 | TG | M5, N5 | 12-14 | F | 30.1 |
| | 11-17 | TG | M5, N5 | 11-13 | F | 29.3 |
| | 12 | TG | M5 | 14 | F | 28.7 |
| | 12 | TG | P5 | 12 | F | 28.5 |

Appendix Table 2.--Continued

Release site: No. 16 - Tortugas grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|------------|-------|--------------------|-----------------|
| 1964 | | | | | |
| Mar. 12 | TG | N5 | 11 | F | 31.2 |
| 12-16 | TG | L5 | 14-15 | F | 30.0 |
| 13-17 | TG | L6, M6, N6 | 10-12 | F | 29.3 |
| 13-18 | TG | N6 | 10-12 | M | 27.0 |
| 14 | TG | N5 | 13 | F | 28.1 |
| 15 | TG | M6, N6 | 10-12 | F | 28.0 |
| 16 | TG | N5 | 13 | F | 29.2 |
| 16 | TG | N5 | 13 | F | 27.8 |
| 17 | TG | P4 | 13 | F | 27.0 |
| 17 | TG | M2 | 13 | F | 29.2 |
| 18 | TG | M2 | 7 | F | - |
| 21 | TG | P5 | 12 | F | 30.1 |
| 21 | TG | Q5 | 10 | F | 29.5 |
| 21-23 | TG | J5, K4, K5 | 15-16 | F | 31.8 |
| 22 | TG | J5 | 15 | F | 30.5 |
| 23 | TG | N4 | 13 | F | 28.2 |
| 26 | TG | P5 | 12 | F | 28.9 |
| 28 | TG | N5 | 12 | F | 28.0 |
| 29 | TG | L5 | 14 | F | 28.4 |
| Apr. 1 | TG | N5 | 13 | M | 29.0 |
| 2-6 | TG | N6, P5 | 11-13 | F | 30.9 |
| 8 | TG | P4 | 11 | F | 32.3 |
| 8-12 | TG | J6 | 14 | M | 27.4 |
| 10 | TG | P4 | 12 | F | 33.0 |
| 15 | TG | N3 | 14 | F | 31.6 |
| 26 | TG | M3 | 14 | F | 31.9 |
| 29 | TG | J6 | 14 | M | 27.5 |
| 29 | TG | L5 | 15 | F | 31.9 |
| May 3 | TG | L6 | 12 | F | 30.7 |
| 17 | TG | M6 | 11 | F | - |
| 17 | TG | M6 | 11 | F | 34.7 |
| 29 | TG | P5 | 12 | F | 36.9 |
| 29 | TG | N6 | 9 | F | 34.0 |
| June 14 | TG | N5 | 12-13 | F | 37.1 |
| 27 | TG | N6 | 9 | F | 38.1 |
| July 9 | TG | N6 | 10 | M | 33.1 |

Appendix Table 2.--Continued

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Release site : No. 17 - Tortugas grounds
 Date of release : Feb. 24, 1964
 Number released : 1,392
 Number recovered: 310

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|---------|-------------------------|--------|-----|--------------------|-----------------|
| 1964 | | | | | |
| Feb. 24 | TG | L4 | F | 27.0 | B |
| 24 | TG | L4 | F | 27.9 | B |
| 24 | TG | L4 | F | 32.1 | B |
| 24 | TG | L4 | M | 24.1 | B |
| 24 | TG | L4 | F | 34.7 | B |
| 24 | TG | L4 | F | 28.7 | B |
| 24 | TG | J6 | M | 25.0 | B |
| 24-27 | TG | N5 | F | 27.1 | P |
| 25 | TG | N5 | F | 26.0 | B |
| 25 | TG | L4 | F | 32.8 | B |
| 25 | TG | J5 | F | 27.8 | B |
| 25 | TG | Q5 | M | 25.3 | P |
| 25 | TG | J5 | F | 32.1 | B |
| 25 | TG | M4, N4 | F | 27.5 | B |
| 25 | TG | P4 | F | 33.0 | B |
| 25 | TG | M4 | M | 29.8 | B |
| 25 | TG | P4 | F | 38.3 | B |
| 25 | TG | M4 | M | 32.3 | B |
| 25 | TG | P4 | F | 28.8 | B |
| 25 | TG | M4 | F | 30.4 | B |
| 25 | TG | M4 | F | 27.4 | B |
| 25 | TG | M4 | M | 24.6 | B |
| 25 | TG | P4 | F | 26.1 | B |
| 25 | TG | P4 | F | 28.4 | B |
| 25 | TG | P4 | F | 30.7 | B |
| 25-27 | TG | N5, P5 | F | 29.7 | B |
| 26 | TG | P4 | F | 26.0 | B |
| 26 | TG | N5 | F | 29.9 | B |
| 26 | TG | P5 | F | 28.2 | B |
| 26 | TG | L5 | F | 30.5 | B |
| 26 | TG | P5 | M | 25.0 | B |
| 26 | TG | N5 | F | 29.7 | B |
| 26 | TG | P5 | F | 26.2 | B |
| 26 | TG | M6, N6 | F | 31.2 | B |
| 26 | TG | N5 | F | 32.5 | B |
| 26 | TG | P5 | F | 27.0 | B |

Appendix Table 2.--Continued

Release site: No. 17 - Tortugas grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|------------|-------|--------------------|-----------------|
| 1964 | | | | | |
| Feb. 26 | TG | N5 | 13 | F | 36.5 |
| 26 | TG | P5 | 12 | F | 35.9 |
| 26 | TG | M5 | 13 | M | 25.7 |
| 26 | TG | P5 | 12 | F | 27.1 |
| 26 | TG | P4 | 13 | F | 25.7 |
| 26 | TG | N2 | 13 | F | 31.1 |
| 26 | TG | Q3 | 12-13 | F | 38.2 |
| 26 | TG | N5 | 12-13 | F | 27.7 |
| 26 | TG | N5 | 12-13 | F | 31.6 |
| 26 | TG | P5 | 12-13 | F | 27.5 |
| 26 | TG | N6 | 9 | F | 33.9 |
| 26 | TG | J7 | 10-12 | F | 33.0 |
| 26 | TG | N6 | 8-10 | F | 26.3 |
| 26 | TG | N6 | 8-10 | F | 30.1 |
| 27 | TG | - | - | M | 24.7 |
| 27 | TG | M3 | 14-15 | F | 33.7 |
| 27 | TG | M6, N6 | 10 | F | 28.3 |
| 27 | TG | M6, N6 | 9 | F | 28.7 |
| 27 | TG | M6, N6 | 9 | F | 32.1 |
| 27 | TG | M6, N6 | 9 | M | 24.3 |
| 27 | TG | N5 | 12-13 | F | 30.6 |
| 27 | TG | M6, N6 | 9 | F | 32.5 |
| 27 | TG | J7 | 10-12 | F | 32.9 |
| 27 | TG | Q5 | 9-10 | F | 30.7 |
| 27-28 | TG | L5, M6 | 12-14 | M | 24.7 |
| 2/27-3/5 | TG | J6, K5, M6 | 12-15 | F | 25.5 |
| 28 | TG | N6 | 10-11 | F | 30.6 |
| 28 | TG | P5 | 11 | F | 31.7 |
| 28 | TG | M5 | 12-13 | F | 31.1 |
| 28 | TG | P5 | 11 | F | 31.5 |
| 28 | TG | P5 | 11 | M | 25.9 |
| 28 | TG | P5 | 11 | F | 26.2 |
| 28 | TG | N6 | 11 | F | 28.7 |
| 28 | TG | P5 | 11 | F | 30.0 |
| 28 | TG | N6 | 10-11 | F | 31.1 |
| 28 | TG | M5 | 12-13 | F | 30.4 |
| 28 | TG | M5 | 13-14 | M | 27.4 |
| 28 | TG | M5 | 13-14 | F | 27.0 |
| 28 | TG | P5 | 13 | F | 35.0 |
| 29 | TG | P5 | 11 | F | 28.7 |
| Mar. 1-8 | TG | P4 | 13 | F | 28.6 |

Appendix Table 2.--Continued

Release site: No. 17 - Tortugas grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|--------|-----------------------------|-------|-----|--------------------|-----------------|
| 1964 | | | | | |
| Mar. 2 | TG L5 | 14-15 | F | mm. - | B |
| 2-7 | TG J6, K6, L5 M5, M6, N5 | 13 | F | 29.6 | P |
| 2-7 | TG J6, K6, L5 M5, M6, N6 | 9-13 | F | - | P |
| 2-7 | TG J6, K6, L5 M5, M6, N5 | 9-13 | F | 25.4 | P |
| 3 | TG P4 | 13 | F | 31.1 | B |
| 3 | TG J5, J6 | 15 | M | 25.9 | P |
| 3 | TG H5 | 17 | F | 28.4 | B |
| 3 | TG M3 | 13 | F | 27.1 | B |
| 3 | TG N4 | 13 | F | 28.0 | B |
| 3 | TG N4 | 13 | F | 26.7 | B |
| 3 | TG P1 | 12 | F | 34.7 | B |
| 3-5 | TG P4 | 11-13 | F | 37.6 | P |
| 3-7 | TG K5, K6 | 14 | F | 30.4 | P |
| 4 | TG N5 | 13 | F | 35.1 | B |
| 4 | TG P4 | 15 | F | 31.9 | B |
| 4 | TG M5 | 13 | F | 26.5 | B |
| 4 | TG M5 | 13 | F | 33.7 | B |
| 4 | TG N5 | 13 | F | 32.9 | B |
| 4 | TG P4 | 13 | M | 26.7 | B |
| 4 | TG N5 | 13 | M | 25.1 | B |
| 4 | TG N5 | 13 | F | 28.9 | B |
| 4-9 | TG M5, M6, N5, N6 | 13 | M | 24.2 | P |
| 5 | TG L5 | 14-15 | F | 28.1 | B |
| 5 | TG L4 | 14 | F | 31.9 | B |
| 5 | TG M5 | 13 | F | - | B |
| 5 | TG M4 | 14 | F | 27.8 | B |
| 5 | TG K4 | 16 | F | 32.8 | B |
| 5 | TG K4 | 16 | F | 31.6 | B |
| 5 | TG K4 | 16 | F | 29.4 | B |
| 5 | TG L5 | 14 | F | 31.9 | B |
| 5 | TG M5 | 13 | F | 30.4 | B |
| 5 | TG N4 | 13 | M | 25.4 | B |
| 5 | TG L5 | 14 | F | 31.6 | B |

Appendix Table 2.--Continued

Release site: No. 17 - Tortugas grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|--------|-------|--------------------|-----------------|
| 1964 | | | | | |
| Mar. 5 | TG | K4 | 16 | F | 32.8 |
| 6 | TG | N4 | 13 | F | 36.4 |
| 6 | TG | M3 | 14 | F | 32.5 |
| 6 | TG | N4 | 13 | F | 36.2 |
| 7 | TG | M5 | 13 | F | 26.4 |
| 7 | TG | M3 | 14 | F | 26.8 |
| 7 | TG | P4 | 13 | F | 27.3 |
| 7 | TG | L5 | 15 | F | 29.4 |
| 7 | TG | L5 | 15 | F | 31.0 |
| 7 | TG | P4 | 13 | F | 30.0 |
| 7 | TG | Q3 | 7 | F | 32.2 |
| 7 | TG | M6 | 12 | F | 31.8 |
| 7 | TG | M6 | 12 | F | 33.8 |
| 7 | TG | P4 | 13 | M | 27.0 |
| 8 | TG | M5 | 14 | F | 27.7 |
| 8 | TG | P5 | 12 | F | 27.8 |
| 8 | TG | L5 | 15 | F | 27.3 |
| 8 | TG | M6, N6 | 12 | F | 27.9 |
| 8 | TG | P5 | 11 | F | 28.7 |
| 8 | TG | P5 | 11 | F | 27.2 |
| 8 | TG | N4 | 13 | F | 30.7 |
| 8 | TG | M5 | 14 | F | 27.8 |
| 8 | TG | N4 | 13 | F | 27.0 |
| 8 | TG | P5 | 11-12 | F | 27.1 |
| 8 | TG | M5 | 13-14 | F | 30.7 |
| 8 | TG | M5 | 13-14 | F | 31.7 |
| 8-10 | TG | M6, N6 | 12 | F | 29.7 |
| 9 | TG | P5 | 11 | F | 29.3 |
| 9 | TG | P5 | 10 | F | 31.5 |
| 9 | TG | P5 | 10 | F | 34.3 |
| 9 | TG | N5 | 12 | F | 32.7 |
| 9 | TG | P5 | 10 | M | 25.0 |
| 9 | TG | K5 | 15 | F | 29.2 |
| 9 | TG | N4 | 13 | F | 28.5 |
| 9 | TG | P5 | 11 | F | 32.3 |
| 9 | TG | M6, N6 | 12 | M | 25.7 |
| 9 | TG | P4 | 12 | F | 39.6 |
| 9 | TG | N4 | 13 | F | 30.8 |
| 9 | TG | P5 | 11 | F | 31.8 |
| 9 | TG | P5 | 11 | F | 28.8 |
| 10 | TG | P4 | 11 | F | 29.7 |

Appendix Table 2.--Continued

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Release site: No. 17 - Tortugas grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|------------|-------|--------------------|-----------------|
| 1964 | | | | | |
| Mar. 10 | TG | N5 | 13 | F | 35.1 |
| 10 | TG | P5 | 12 | F | 32.7 |
| 10 | TG | L4 | 13-14 | F | 29.6 |
| 10 | TG | M4 | 13 | F | 42.2 |
| 10 | TG | M4 | 13 | F | 29.0 |
| 10-12 | TG | M4, M5 | 13-14 | F | 28.7 |
| 10-12 | TG | M4 | 13 | M | - |
| 10-12 | TG | M4 | 13 | F | 29.8 |
| 10-12 | TG | M4 | 13 | F | 30.7 |
| 11 | TG | N4 | 13 | F | 43.3 |
| 11 | TG | M5 | 14 | M | 30.7 |
| 11-13 | TG | N4, P4, Q4 | 11-13 | F | 34.6 |
| 12 | TG | N5 | 12 | F | 36.2 |
| 12 | TG | N5 | 12 | F | 35.0 |
| 12 | TG | N5 | 12 | F | 37.0 |
| 12 | TG | N5 | 12 | F | 31.4 |
| 12 | TG | N5 | 12 | F | 30.7 |
| 12 | TG | N5 | 12 | F | - |
| 12 | TG | J6 | 12-15 | F | 33.4 |
| 12 | TG | J6 | 12-15 | F | 34.3 |
| 12 | TG | J6 | 12-15 | F | 26.5 |
| 12 | TG | N5 | 12 | F | 29.5 |
| 12 | TG | M4 | 14 | F | 26.9 |
| 12 | TG | P4 | 12 | F | 29.7 |
| 12 | TG | P5 | 12 | F | 23.0 |
| 12 | TG | M3 | 14 | M | 25.5 |
| 12 | TG | M4 | 14 | F | - |
| 12 | TG | J5 | 15 | F | 25.8 |
| 12 | TG | P4 | 11 | F | 31.1 |
| 12-16 | TG | L5 | 14-15 | F | 33.0 |
| 12-17 | TG | K6, L5 | 11-15 | F | 31.7 |
| 12-18 | TG | L5, M5 | 12-15 | F | 37.0 |
| 13 | TG | N5 | 13 | F | 27.0 |
| 13 | TG | J6, K6 | 11-15 | F | 28.1 |
| 13 | TG | N5 | 13 | M | 25.2 |
| 13 | TG | M3 | 14 | F | - |
| 13 | TG | M3 | 14 | F | 29.0 |
| 13-14 | TG | L6, M5 | 10-14 | F | 31.0 |
| 13-16 | TG | H4, J4, J5 | 15-16 | F | - |
| 13-16 | TG | J4, J5 | 15-16 | F | 27.9 |
| 13-16 | TG | J4, J5 | 15-16 | F | 32.3 |

Appendix Table 2.--Continued

Release site: No. 17 - Tortugas grounds--Continued

| Date | | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------|-------------------------|------------|---------|--------------------|-----------------|
| 1964 | | | | | | |
| Mar. | 13-19 | TG | M5, N5, P5 | Fathoms | mm. | |
| | 13-19 | TG | M5, N5, P5 | 11-14 | 28.7 | P |
| | 14 | TG | L3 | 11-14 | 32.5 | P |
| | 14 | TG | P4 | 17 | 24.2 | B |
| | 14 | TG | P4 | 12 | 25.8 | B |
| | 14 | TG | P4 | 12 | 24.7 | B |
| | 14 | TG | M5 | 13 | - | B |
| | 14 | TG | P5 | 11 | 35.2 | B |
| | 14-16 | TG | J4, J5 | 15-16 | 30.7 | P |
| | 14-19 | TG | J6, K6, L5 | 11-15 | 32.4 | P |
| | 15 | TG | N5 | 12-13 | 29.7 | B |
| | 15 | TG | M6 | 12 | 25.6 | B |
| | 15 | TG | M5, N5 | 13 | 22.0 | B |
| | 15 | TG | P5 | 11 | 26.1 | B |
| | 15 | TG | P5 | 11 | 39.1 | B |
| | 15 | TG | M4 | 14 | 27.7 | B |
| | 15 | TG | J6 | 12-15 | 30.5 | P |
| | 15-19 | TG | N6 | 10-12 | 30.8 | B |
| | 16-19 | TG | L4, M4 | 13-15 | 30.0 | P |
| | 17 | TG | L4 | 15 | 27.7 | B |
| | 17 | TG | M5 | 12 | 29.8 | B |
| | 17 | TG | N5 | 11 | 30.9 | B |
| | 17 | TG | M5 | 12 | 31.1 | B |
| | 18 | TG | P4 | 11 | 29.2 | B |
| | 18 | TG | P5 | 12 | 32.1 | B |
| | 18 | TG | N3 | 14 | 30.7 | B |
| | 19 | TG | N5 | 12 | 32.4 | P |
| | 19 | TG | Q5 | 10 | 28.5 | B |
| | 19-21 | TG | P4 | 11-13 | 30.0 | P |
| | 19-21 | TG | M5, N4, P4 | 11-14 | 32.2 | P |
| | 20 | TG | P3 | 13 | 30.4 | B |
| | 20 | TG | P5 | 12 | 33.0 | B |
| | 20 | TG | P5 | 11-12 | 26.8 | B |
| | 21 | TG | P5 | 12 | 28.5 | B |
| | 21 | TG | P5 | 12 | 32.0 | B |
| | 21 | TG | P5 | 12 | - | B |
| | 21 | TG | P5 | 12 | 37.0 | B |
| | 21 | TG | P5 | 11-12 | 29.6 | B |
| | 21 | TG | Q5 | 10 | 28.2 | B |
| | 21 | TG | Q5 | 10 | 27.2 | B |
| | 22 | TG | P4 | 12 | 30.7 | B |
| | 22 | TG | M5 | 13 | 39.7 | B |

Appendix Table 2.--Continued

Release site: No. 17 - Tortugas grounds--Continued

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| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|---------------------------------|-------|-----|--------------------|-----------------|
| 1964 | | | | | |
| Mar. 22 | TG M5 | 13 | M | 30.5 | B |
| 22 | TG P4 | 11-13 | F | 34.2 | B |
| 22 | TG P4 | 12 | F | - | B |
| 22 | TG P4 | 12 | F | - | B |
| 23 | TG P5 | 12-13 | F | 31.1 | B |
| 23 | TG P5 | 12-13 | F | - | B |
| 23 | TG P5 | 12-13 | F | 33.0 | B |
| 24 | TG L5 | 15 | F | 34.6 | B |
| 25 | TG N5 | 12-13 | F | 30.0 | B |
| 25 | TG N4 | 13 | M | 26.3 | B |
| 25 | TG M3 | 15 | F | 33.7 | B |
| 26 | TG N5 | 12 | F | 34.4 | B |
| 26 | TG N5 | 12 | F | 32.0 | P |
| 26 | TG M5 | 13 | F | 29.4 | B |
| 26 | TG N5 | 12 | F | 33.7 | B |
| 26 | TG N3 | 14 | M | 28.2 | B |
| 26 | TG P4 | 10 | F | 29.9 | B |
| 27 | TG Q5 | 11 | F | 30.4 | B |
| 27 | TG M4 | 14 | F | 28.8 | B |
| 27 | TG L5 | 10-11 | F | 33.6 | B |
| 27 | TG L4 | 15 | F | 29.1 | B |
| 27 | TG M4 | 11 | F | 28.6 | B |
| 27 | TG N5 | 13 | F | 32.0 | B |
| 27-29 | TG P5, Q5 | 11-13 | F | 36.9 | P |
| 27-29 | TG L5, M5, N5 | 12-15 | F | 34.9 | P |
| 27-30 | TG K5, L5 | 15 | F | 29.1 | P |
| 28 | TG L5 | 15 | F | 34.4 | B |
| 28 | TG K5 | 15 | M | 26.0 | B |
| 28 | TG L6 | 11 | F | 30.7 | B |
| 29 | TG M5 | 15 | F | 31.4 | B |
| 29 | TG L5 | 14 | F | 37.1 | B |
| 30 | TG L5 | 14 | F | 29.1 | B |
| 31 | TG L5 | 14 | F | 33.2 | B |
| Apr. 1-7 | TG J6, K6, L5 M5, N5, P5, Q6 | 10-15 | F | 28.8 | P |
| 1-7 | TG M5, N5, P5 | 11-14 | F | 30.3 | P |
| 3 | TG L5 | 15 | M | 28.8 | B |
| 4 | TG K6 | 11-12 | F | 29.2 | B |
| 5 | TG L5 | 14-15 | F | 31.5 | B |
| 5-8 | TG J5, K5, L5 | 14-16 | F | 29.4 | P |

Appendix Table 2.--Continued

Release site: No. 17 - Tortugas grounds--Continued

| Date | Site (Area and grid) | Depth | Sex | Carapace length | Recovered by |
|-------------|-------------------------|------------|-----|--------------------|-----------------|
| 1964 | | | | | |
| Apr. 7 | TG | L4 | F | 30.1 | B |
| 8-12 | TG | J6 | F | - | P |
| 9 | TG | K4 | F | 30.0 | B |
| 10 | TG | N6 | F | 27.7 | B |
| 11 | TG | L5 | M | 28.0 | B |
| 12 | TG | L5 | F | 43.3 | B |
| 12 | TG | M3 | M | 26.2 | B |
| 14 | TG | N3 | F | 34.0 | B |
| 14 | TG | P5 | F | 33.1 | B |
| 15 | TG | K5 | F | 35.6 | B |
| 15 | TG | L5 | F | 30.5 | B |
| 16 | TG | K5 | F | 32.0 | B |
| 19 | TG | K5 | M | 25.2 | B |
| 23 | TG | N5 | F | 33.7 | B |
| 26 | TG | N4 | F | 31.3 | B |
| 26 | TG | K5 | F | 26.4 | B |
| 27 | TG | P4 | F | 32.3 | B |
| 28 | TG | P5 | F | 32.5 | B |
| 29 | TG | G6 | F | - | B |
| May 1-5 | TG | J6, K5 | F | 32.4 | P |
| 2 | TG | M5 | F | 33.6 | B |
| 2 | TG | M6 | F | 28.4 | B |
| 3 | TG | M5 | F | 39.7 | B |
| 3 | TG | L6 | F | 32.3 | B |
| 9 | TG | P4 | F | 34.6 | B |
| 9-15 | TG | K6, L6, M6 | F | 39.5 | P |
| 10 | TG | L6 | F | 36.0 | B |
| 11-14 | TG | J6, K5 | F | 36.9 | P |
| 12 | TG | K1 | M | 32.4 | B |
| 27 | TG | M5 | F | 32.7 | B |
| 29 | TG | N6 | F | 33.2 | B |
| 29 | TG | P5 | F | 31.1 | B |
| 30 | TG | N6 | F | 38.1 | B |
| 30 | TG | N6 | F | 35.9 | B |
| June 3 | TG | M5 | F | 36.3 | B |
| 3 | TG | M6, N6 | F | 34.1 | B |
| 4 | TG | P4 | F | 36.2 | B |
| 27 | TG | N6 | F | 33.2 | B |